AGRICULTURAL LAND USE SURVEY

A tabulation of the Results

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Agricultural Land Use in Nova Scotia: A Tabulation of the Agricultural Land Use Survey

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I. INTRODUCTION

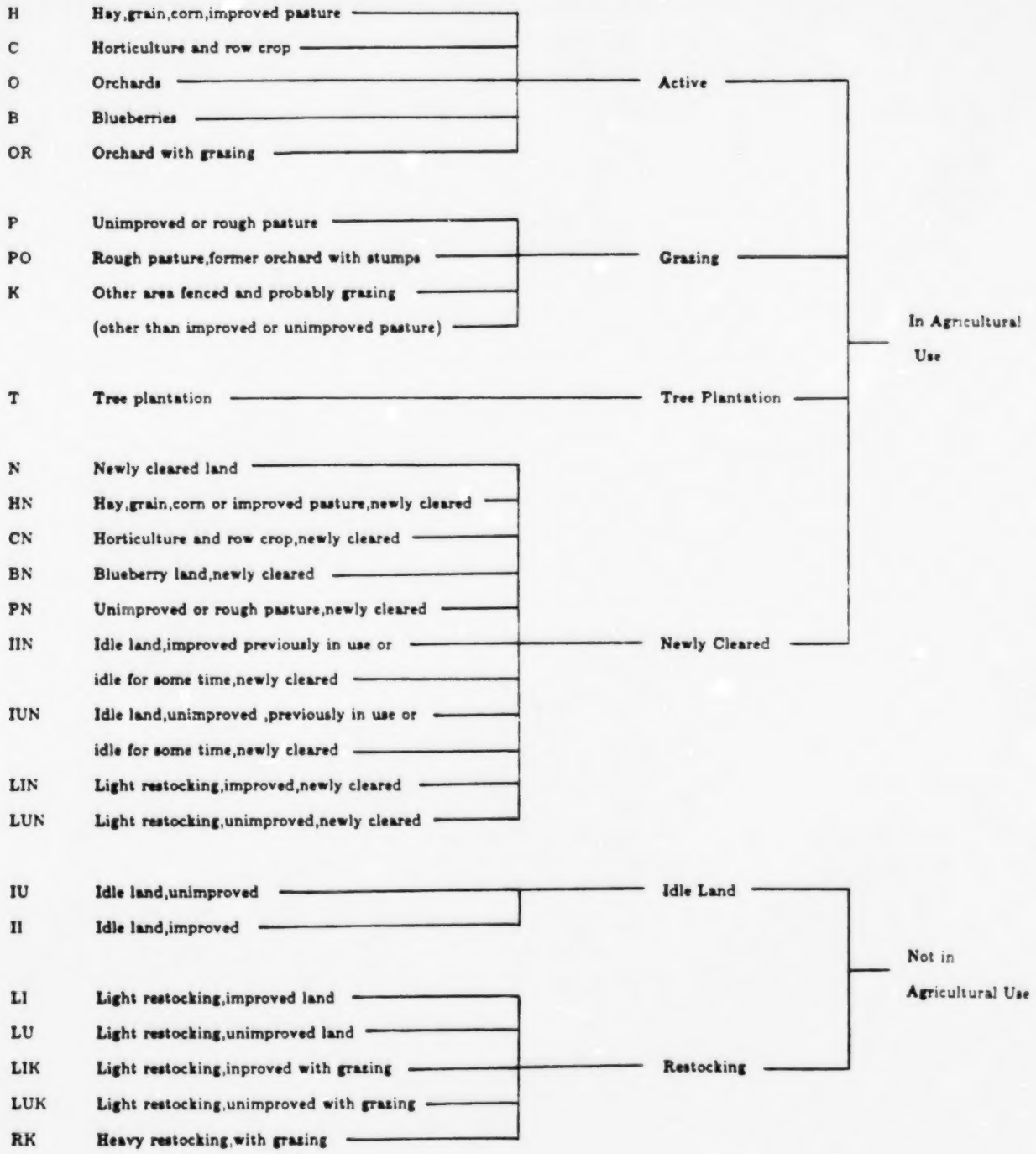
During the years from 1979 to 1985, the Nova Scotia Department of Municipal Affairs carried out a ground survey of agricultural land use throughout the province. The Nova Scotia Department of Agriculture provided some financial assistance for the project.

Individual agricultural fields were classified into one of the 27 categories in the first column of Figure 1. The fields and their classifications were then mapped at a scale of 1:10,000. Total coverage for the province is available on some 2000 of these maps.

In order to add a quantitative dimension to the survey, areas of agricultural fields were measured from the maps, and the total areas for each land use category for each rural municipality on each 1:10,000 map sheet were tabulated. The data were entered as almost 2400 records into a microcomputer data base, which was used for the purpose of this report to aggregate to the rural municipality level.

The original 1:50,000 proof maps of the Canada Land Inventory, Capability for Agriculture were obtained and divided by a grid overlay into areas corresponding to the 1:10,000 land use maps. Land areas in capability classes 2, 3, and 4 were separated out and their acreage was measured and aggregated in the same fashion.

Agricultural Field Use Catagories



This report presents these quantitative results from the Agricultural Land Use Survey, aggregated to the rural municipality level. Section II deals with agricultural land capability as defined by the Canada Land Inventory. The amount of Class 2, 3, and 4 land in each rural municipality is listed and the relationship to the total municipal land area is calculated.

Section III covers the actual agricultural usage of land, whether or not it is located on Class 2, 3, 4, or other capability areas. Six broad groupings of the original 27 detailed field use categories are used to describe activity in each municipality. Total figures for activity are used to rank the 24 municipalities in terms of area utilized. Figures for detailed categories, within the "active" grouping only, are also provided.

Section IV compares the extent of agricultural usage with the extent of agricultural capability by taking ratios of the two acreages. However, the relationship between capability and usage on a field-by-field basis is not obtainable from the available data. Section V highlights those parts of the province with relatively high proportions of their cleared land base not in agricultural production.

Section VI attempts to account for the "utilization ratio" (i.e. the ratio of usage to capability) in each municipality. Is it the case that the more good capability land a municipality has, the

more cleared land or active land it has? Does the utilization ratio tend to increase or decrease with the amount of Class 2, 3, and 4 land in the Municipality?

Section VII bridges the gap between the macroscale of entire municipalities and the microscale of individual 1:10,000 map sheets. Since the 1:10,000 maps are contained within the 1:50,000 scale maps of the National Topographic Survey (NTS) grid, the latter maps form a natural basis for a picture at the intermediate level. The data are thus aggregated to the level of the sections of the NTS maps making up each municipality. When presented in tabular and map forms, these data more clearly delineate the concentrations of agricultural capability and usage across the province.

Finally, Section VIII is a conclusion, which suggests further studies which could be carried out using the database and maps containing capability and usage information.

II. AGRICULTURAL CAPABILITY

The Canada Land Inventory Agricultural Capability mapping for soils is used for this report rather than more recent or detailed mapping, because it is available in the same form and scale for the entire province.

The Canada Land Inventory (CLI) was carried out in the 1960's for the entire settled part of the country. Agricultural Capability mapping formed an important part of the overall inventory. It was based on soil fertility and limitations, as explained in Figure 2.

Under the CLI classification for Nova Scotia, land with agricultural capability classes 2 through 4 is generally suitable for commercial agriculture. Tables 1 to 3 give the total area of each class for each rural municipality. In each case, the municipalities are ranked from the highest land area to the lowest.

Table 1 shows that Class 2 land is relatively highly concentrated geographically. Two municipalities, Cumberland and Colchester, contain half of the province's land; with two more - Pictou and Kings - added, the proportion climbs to three-quarters. The top third of municipalities contain 90 percent of the land, and seven municipalities contain no Class 2 land at all.

CANADA LAND INVENTORY
SOIL CAPABILITY FOR AGRICULTURE

CLASS 1 — SOILS IN THIS CLASS HAVE NO SIGNIFICANT LIMITATIONS IN USE FOR CROPS.

The soils are deep, are well to imperfectly drained, hold moisture well, and in the virgin state were well supplied with plant nutrients. They can be managed and cropped without difficulty. Under good management they are moderately high to high in productivity for a wide range of field crops.

CLASS 2 — SOILS IN THIS CLASS HAVE MODERATE LIMITATIONS THAT RESTRICT THE RANGE OF CROPS OR REQUIRE MODERATE CONSERVATION PRACTICES.

The soils are deep and hold moisture well. The limitations are moderate and the soils can be managed and cropped with little difficulty. Under good management they are moderately high to high in productivity for a fairly wide range of crops.

CLASS 3 — SOILS IN THIS CLASS HAVE MODERATELY SEVERE LIMITATIONS THAT RESTRICT THE RANGE OF CROPS OR REQUIRE SPECIAL CONSERVATION PRACTICES.

The limitations are more severe than for Class 2 soils. They affect one or more of the following practices: timing and ease of tillage; planting and harvesting; choice of crops; and methods of conservation. Under good management they are fair to moderately high in productivity for a fair range of crops.

CLASS 4 — SOILS IN THIS CLASS HAVE SEVERE LIMITATIONS THAT RESTRICT THE RANGE OF CROPS OR REQUIRE SPECIAL CONSERVATION PRACTICES, OR BOTH.

The limitations seriously affect one or more of the following practices: timing and ease of tillage; planting and harvesting; choice of crops; and methods of conservation. The soils are low to fair in productivity for a fair range of crops but may have high productivity for a specially adapted crop.

CLASS 5 — SOILS IN THIS CLASS HAVE VERY SEVERE LIMITATIONS THAT RESTRICT THEIR CAPABILITY TO PRODUCING PERENNIAL FORAGE CROPS, AND IMPROVEMENT PRACTICES ARE FEASIBLE.

The limitations are so severe that the soils are not capable of use for sustained production of annual field crops. The soils are capable of producing native or tame species of perennial forage plants, and may be improved by use of farm machinary. The improvement practices may include clearing of bush, cultivation, seeding, fertilizing, or water control.

CLASS 6 — SOILS IN THIS CLASS ARE CAPABLE ONLY OF PRODUCING PERENNIAL FORAGE CROPS, AND IMPROVEMENT PRACTICES ARE NOT FEASIBLE.

The soils provide some sustained grazing for farm animals, but the limitations are so severe that improvement by use of farm machinery is impractical. The terrain may be unsuitable for use of farm machinery, or the soils may not respond to improvement, or the grazing season may be very short.

CLASS 7 — SOILS IN THIS CLASS HAVE NO CAPABILITY FOR ARABLE CULTURE OR PERMANENT PASTURE.

This class also includes rockland, other non-soil areas, and bodies of water too small to show on the maps.

O — ORGANIC SOILS (Not placed in capability classes).

Pictou, Hants East, Inverness and Kings each have 100 to 150 thousand hectares and a total of roughly one-third of the provincial total. Pictou's composition is roughly the same as that of the top two, Hants East and Inverness have about 80 percent Class 3, and Kings has less Class 3 and more Class 4 land as proportions.

The other 18 rural municipalities, or three-quarters of the total number, have 40 percent of the agricultural land base. With this grouping, only Hants West has any significant proportion of Class 2.

On Map 1, produced from Table 4, the rural municipalities with more than 50,000 hectares form a band from Cape Breton County to Kings County. With the exception of Halifax County they are all located along the northern side of the province.

Cumberland and Colchester are at the top of the list in Table 4 both because they have good agricultural land and because they are so large in area. To give an idea of the relative amount of agricultural endowment, it must be compared to the total area of the municipality. This calculation is carried out in Table 5, wherein the total area ("Hectares all classes of land") includes the freshwater lakes and rivers within the municipal boundaries.

In Table 2, there is over five times as much Class 3 land in the province as there is Class 2, almost a million hectares. It is much less concentrated geographically: the 50, 75 and 90 percent marks come at roughly 5, 10, and 15 municipalities down the ranking. The bottom one-third still contain 7 percent of the land total.

In Table 3, there is only twice as much Class 4 land as there is Class 2. The distribution is roughly the same as for Class 3: 4 municipalities with 50 percent, 9 with 75 percent, and 15 with 90 percent. The bottom one-third contain 6 percent of the total.

Cumberland leads the list in all three classes, and Colchester is in the top three in all of them. Pictou is in the top five in each, and Hants East in the top six. Hants East is especially strong in the Class 3 ranking, while Kings is relatively weak.

All three classes aggregated can be considered as making up the municipal agricultural land base. Table 4 shows that there are 1.5 million hectares of agricultural land base throughout the province. Cumberland and Colchester each have over 150 thousand hectares and together constitute over a quarter of the provincial total. The proportions of Class 2-3-4 are roughly 20-50-30 percent for each.

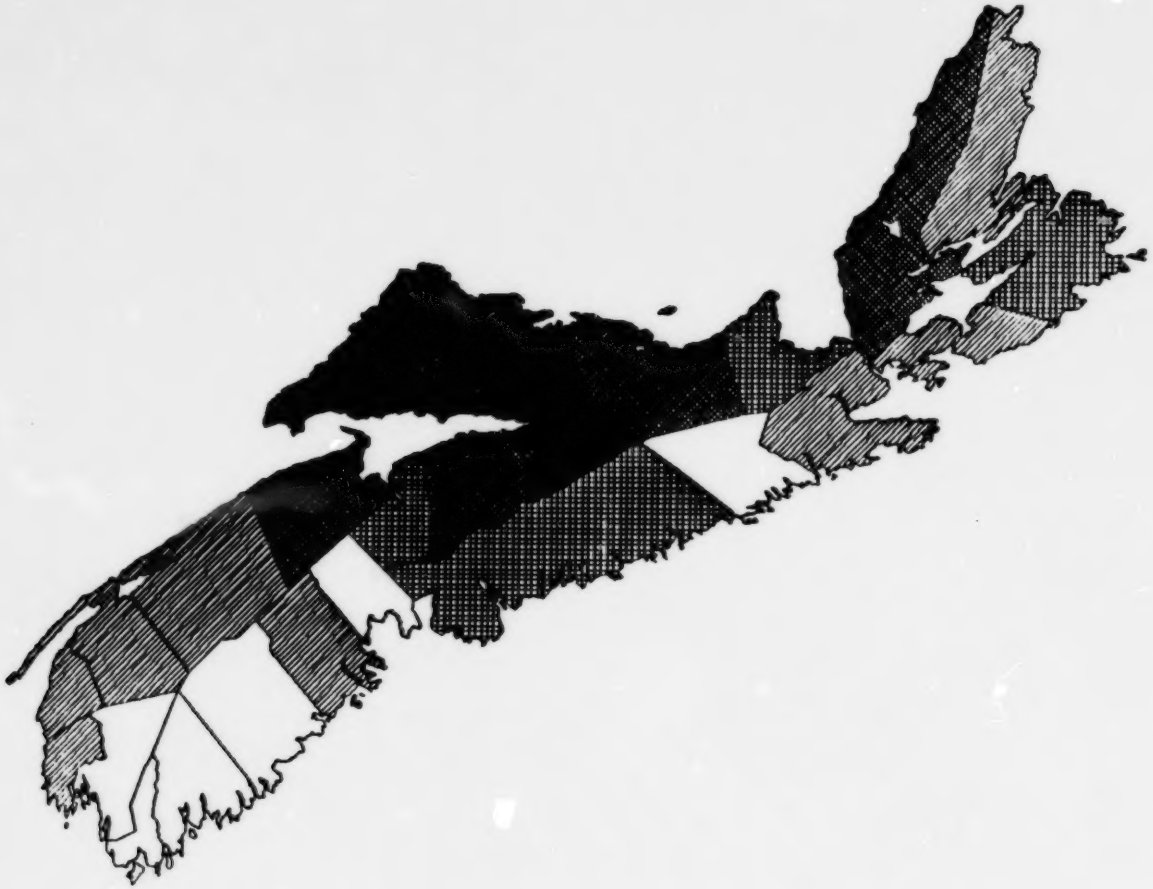
Table 1:			
CLI Class 2 by Municipality			
Rural Munic.	Class 2 Hectares	Percent of Prov.	Cumulative Percent
Cumberland	52466.8	32.06%	32.06%
Colchester	33382	20.40%	52.46%
Pictou	19016.8	11.62%	64.08%
Kings	18749.3	11.46%	75.53%
Hants West	8678.4	5.30%	80.84%
Hants East	7837.5	4.79%	85.62%
Antigonish	6095	3.72%	89.35%
Cape Breton	5423.4	3.31%	92.66%
Inverness	3882.5	2.37%	95.04%
Halifax	2540.5	1.55%	96.59%
Richmond	2065	1.26%	97.85%
Digby	1565	0.96%	98.81%
Annapolis	802.5	0.49%	99.30%
Guysborough	369.9	0.23%	99.52%
St. Mary's	332.6	0.20%	99.73%
Victoria	330	0.20%	99.93%
Lunenburg	120	0.07%	100.00%
Argyle	0	0.00%	100.00%
Barrington	0	0.00%	100.00%
Queens	0	0.00%	100.00%
Shelburne	0	0.00%	100.00%
Clare	0	0.00%	100.00%
Chester	0	0.00%	100.00%
Yarmouth	0	0.00%	100.00%
Prov. Total	163657.2	100.00%	

Table 2:			
CLI Class 3 by Municipality			
Rural Munic.	Class 3 Hectares	Percent of Prov.	Cumulative Percent
Cumberland	108114.2	11.36%	11.36%
Hants East	100680	10.58%	21.94%
Colchester	95312.4	10.01%	31.95%
Inverness	85906.1	9.03%	40.98%
Pictou	72539.8	7.62%	48.60%
Antigonish	65110.1	6.84%	55.44%
Halifax	64694.9	6.80%	62.24%
Cape Breton	53538	5.62%	67.86%
Kings	40750.3	4.28%	72.14%
Guysborough	36942.7	3.88%	76.02%
Lunenburg	32436.3	3.41%	79.43%
Annapolis	29578.2	3.11%	82.54%
Hants West	28681.1	3.01%	85.55%
Victoria	24294.7	2.55%	88.10%
Richmond	23551.3	2.47%	90.58%
Yarmouth	23021.4	2.42%	93.00%
Clare	22549.6	2.37%	95.37%
Digby	20226.4	2.13%	97.49%
Argyle	9127.5	0.96%	98.45%
St. Mary's	5860.3	0.62%	99.07%
Queens	4679.6	0.49%	99.56%
Chester	2400	0.25%	99.81%
Shelburne	1005	0.11%	99.92%
Barrington	802.1	0.08%	100.00%
Prov. Total	951802	100.00%	

Table 3:			
CLI Class 4 by Municipality			
Rural Munic.	Class 4 Hectares	Percent of Prov.	Cumulative Percent
Cumberland	70668.9	17.76%	17.76%
Colchester	47117.8	11.85%	29.63%
Pictou	46167.4	11.61%	41.24%
Kings	41274.2	10.38%	51.62%
Hants East	24382.9	6.13%	57.76%
Inverness	21306.6	5.36%	63.12%
Hants West	16949.2	4.26%	67.38%
Halifax	16803.8	4.23%	71.61%
Annapolis	16374.3	4.12%	75.72%
Antigonish	15796	3.97%	79.70%
Clare	11345.7	2.85%	82.55%
Cape Breton	10949.3	2.75%	85.31%
Argyle	9003.9	2.26%	87.57%
Digby	8675.5	2.18%	89.75%
Richmond	8464.3	2.13%	91.88%
Yarmouth	8364.1	2.10%	93.99%
Guysborough	8155.9	2.05%	96.04%
Victoria	8017.5	2.02%	98.05%
St. Mary's	5866.1	1.48%	99.53%
Lunenburg	1080	0.27%	99.80%
Shelburne	502.5	0.13%	99.93%
Chester	120	0.03%	99.96%
Barrington	107.5	0.03%	99.98%
Queens	62.5	0.02%	100.00%
Prov. Total	397557.9	100.00%	

Table 4: CLI Classes as Percent of Municipal and Provincial Agricultural Land Use Base (Classes 2,3,4)							
Size of Agricultural Land Base	Rural Municipality	Hectares Class 2,3,4 Agric. Land	Percent of Province	Cumulative Percent	Class 2 Percent of Municipal Agric. Land	Class 3 Percent of Municipal Agric. Land	Class 4 Percent of Municipal Agric. Land
over 150,000 hectares	Cumberland	231249.9	15.28%	15.28%	22.69%	46.75%	30.56%
	Colchester	175812.2	11.62%	26.90%	18.99%	54.21%	26.80%
between 100,000 and 150,000 ha.	Pictou	137724	9.10%	36.01%	13.81%	52.67%	33.52%
	Hants East	132900.4	8.78%	44.79%	5.90%	75.76%	18.35%
	Inverness	111097.2	7.34%	52.13%	3.49%	77.33%	19.18%
	Kings	100773.8	6.66%	58.79%	18.61%	40.44%	40.96%
between 50,000 and 100,000 ha.	Antigonish	87001.1	5.75%	64.54%	7.01%	74.84%	18.16%
	Halifax	84039.2	5.55%	70.10%	3.02%	76.98%	20.00%
	Cape Breeton	69910.7	4.62%	74.72%	7.76%	76.58%	15.66%
	Hants West	54306.7	3.59%	78.31%	15.98%	52.81%	31.21%
between 20,000 and 50,000 ha.	Annapolis	46755	3.09%	81.40%	1.72%	63.26%	35.02%
	Guysborough	45468.5	3.01%	84.40%	0.81%	81.25%	17.94%
	Richmond	34080.6	2.25%	86.66%	6.06%	69.10%	24.84%
	Clare	33895.3	2.24%	88.90%	0.00%	66.53%	33.47%
	Lunenburg	33636.3	2.22%	91.12%	0.36%	96.43%	3.21%
	Victoria	32642.2	2.16%	93.28%	1.01%	74.43%	24.56%
	Yarmouth	31385.5	2.07%	95.35%	0.00%	73.35%	26.65%
	Digby	30466.9	2.01%	97.36%	5.14%	66.39%	28.48%
under 20,000 ha.	Argyle	18131.4	1.20%	98.56%	0.00%	50.34%	49.66%
	St. Mary's	12059	0.80%	99.36%	2.76%	48.60%	48.64%
	Queens	4742.1	0.31%	99.67%	0.00%	98.68%	1.32%
	Chester	2520	0.17%	99.84%	0.00%	95.24%	4.76%
	Shelburne	1507.5	0.10%	99.94%	0.00%	66.67%	33.33%
	Barrington	909.6	0.06%	100.00%	0.00%	88.18%	11.82%
	Prov Total	1513017.1	100.00%				

MAP 1
CLASS 2,3,4
AGRICULTURAL LAND



Class 2,3,4
(Hectares)

- under 20,000
- 20,001 to 50,000
- 50,001 to 100,000
- 100,001 to 150,000
- 150,001 and up

Cumberland and Colchester are still in the top quintile of municipalities, but not at the very top of the ranking. Hants East and Antigonish have 70 and 60 percent respectively of their total land area consisting of land with agricultural capability. Yarmouth consists of about 50 percent agricultural land, along with Cumberland. The prevalence of lakes in Yarmouth indicates a somewhat higher proportion if land alone were tabulated.

Colchester, Kings, Hants West, and Clare have about 40 to 50 percent agricultural land, while Guysborough and the Cape Breton Island counties of Inverness, Richmond and Cape Breton have about 20 to 30 percent of their total areas suitable for agriculture. Lunenburg, Digby, Halifax, Annapolis, Argyle, and Victoria have 10 to 20 percent, and St. Mary's, Chester, Queens, Barrington, and Shelburne under 10 percent. Many municipalities at the lower end of the scale tend to have many lakes (and bogs) and will thus be under-reported.

Map 2, produced from Table 5, shows three concentrations of rural municipalities with higher agricultural land percentages. The largest and most important one extends from Kings on the west to Antigonish in the east, and north to Cumberland. Cape Breton Island forms an eastward extension of this core area, albeit of lower percentage coverage. Clare and Yarmoutn form an isolated area of high agricultural land coverage in the far west.

Table 5:

CLI Classes as Percent of Municipal Land Base

Rural Munic.	Hectares Cl. 2,3,4 Ag. Land	Percent of Munic. all Land	Hectares all Classes of Land
Hants East	132900.4	70.41%	188760.6
Antigonish	87001.1	59.87%	145308.7
Cumberland	231249.9	52.98%	436458.5
Yarmouth	31385.5	51.22%	61278.0
Colchester	175812.2	48.28%	364124.0
Pictou	137724.0	47.78%	288242.4
Kings	100773.8	46.79%	215362.3
Hants West	54308.7	41.98%	129381.3
Clare	33895.3	39.17%	86541.7
Inverness	111097.2	26.77%	415003.8
Richmond	34080.6	24.28%	140367.8
Cape Breton	69910.7	22.24%	314327.9
Guysborough	45468.5	19.65%	231352.8
Lunenburg	33636.3	17.44%	192837.0
Digby	30466.9	16.47%	185012.1
Halifax	84039.2	14.56%	577250.8
Annapolis	46755.0	13.95%	335165.8
Argyle	18131.4	11.56%	156892.1
Victoria	32642.2	10.62%	307498.9
St. Mary's	12059.0	6.25%	192906.3
Chester	2520.0	2.06%	122189.9
Queens	4742.1	1.76%	269940.9
Barrington	909.6	1.58%	57469.3
Shelburne	1507.5	0.81%	185053.9

MAP 2

CLI CLASS 2,3,4 AS PERCENT MUNICIPAL LAND AREA

III. AGRICULTURAL LAND USE

The Agricultural Land Use Survey classified agricultural fields into some 27 detailed categories. As explained in Figure 1, these are grouped for the purposes of this report into 6 generalized categories: active, grazing, newly cleared, idle, restocking, and tree plantation. For the purpose of this report, land in agricultural use is calculated to be the sum of active, grazing, newly cleared, and tree plantation; lands categorized as either idle or restocking are considered to be not in agricultural use.

In Table 6, municipalities are ranked by the total amount of cleared land, whether in or out of agricultural use. Of the slightly over 300 thousand hectares of cleared land in the province, 212 thousand are active, 45 thousand hectares are restocking, and 34 thousand are idle. There are 6 thousand hectares of newly cleared, 5 thousand of grazing, and under 2 thousand of tree plantation. Since the survey was carried out over a period of years, a certain amount of land will have changed category between the time of survey and the end of the period.

Cumberland heads the list in the amount of cleared land, at 45 thousand hectares or 15 percent of the provincial total. Kings is close behind, at 42 thousand hectares and 14 percent, followed by Pictou and Colchester with 37 thousand (12 percent and 32

Table 6: General Agricultural Land Use Types (Hectares)

Rural Municipality	Active	Grazing	Newly Cleared	Tree Plant	Idle	Restock-ing	Total cleared	Percent of Prov.	Cumulat. Percent
Cumberland	30687.9	623.4	685.0	59.2	6616.3	6155.3	44827.1	14.81%	14.81%
Kings	34270.6	488.7	1080.2	265.6	2822.0	2593.1	41520.2	13.72%	28.53%
Pictou	26526.3	309.1	809.6	174.8	3825.6	5234.8	36880.2	12.19%	40.71%
Colchester	24162.1	498.7	600.6	42.0	3847.2	3286.6	32437.2	10.72%	51.43%
Inverness	11154.1	703.3	392.9	53.6	3371.6	8083.4	23758.9	7.85%	59.28%
Annapolis	17242.5	349.0	246.5	166.7	1208.0	1899.5	21112.2	6.98%	66.26%
Antigonish	11547.6	301.1	1214.2	13.1	956.0	2291.9	16323.9	5.39%	71.65%
Hants East	10137.3	150.8	200.0	0.0	1838.3	658.8	12985.2	4.29%	75.94%
Hants West	10327.4	295.3	240.8	3.5	1174.3	850.9	12892.2	4.26%	80.20%
Halifax	7087.3	125.5	131.0	3.0	1540.9	1356.0	10243.7	3.38%	83.58%
Cape Breton	4667.1	48.8	87.7	21.8	1544.3	3658.7	10028.4	3.31%	86.90%
Lunenburg	6737.4	145.5	31.5	376.4	598.0	789.4	8678.2	2.87%	89.76%
Victoria	2818.7	97.9	54.1	3.0	696.2	2314.9	5984.8	1.98%	91.74%
Guysborough	2068.0	150.1	88.9	13.2	878.4	1556.5	4755.1	1.57%	93.31%
Yarmouth	3405.9	9.2	3.4	32.1	627.7	410.2	4488.5	1.48%	94.80%
Richmond	1668.4	92.1	25.3	0.0	693.9	1725.6	4205.3	1.39%	96.19%
Digby	2020.4	64.7	3.9	2.3	386.5	544.5	3022.3	1.00%	97.18%
Clare	1390.7	72.8	5.1	2.1	472.5	377.7	2320.9	0.77%	97.95%
St. Mary's	840.6	12.8	67.3	0.2	235.6	698.3	1854.8	0.61%	98.56%
Queens	1111.9	27.7	1.0	15.7	134.4	194.4	1485.1	0.49%	99.05%
Chester	862.9	16.0	2.1	135.3	77.3	130.1	1223.7	0.40%	99.46%
Argyle	705.7	1.6	1.6	19.6	187.9	81.9	998.3	0.33%	99.79%
Shelburne	209.4	9.1	0.0	8.4	147.4	54.8	429.1	0.14%	99.93%
Barrington	106.2	1.3	0.0	0.0	91.4	12.8	211.7	0.07%	100.00%
Total	211756.4	4594.5	5972.7	1411.6	33971.7	44960.1	302667	100.00%	

thousand hectares (11 percent) respectively. Fully 51 percent of the provincial total is accounted for by these four municipalities.

Inverness and Annapolis have 20 to 25 thousand hectares each, and Antigonish, Hants East, Hants West, Halifax, and Cape Breton have between 10 and 20 thousand. The top eleven municipalities contain 87 percent of the cleared land.

Active Land

Land in the "active" category is the most important from an agricultural production point of view. The top four municipalities in Table 7 have from 24 to 34 thousand hectares of active agricultural land, forming 55 percent of the provincial total. They are the same top four as in Table 6, except Kings has pulled ahead of Cumberland. Inverness drops two places in the ranking. Map 3 shows a continuous band of municipalities with a large amount of active land stretching from Annapolis to Inverness.

As noted in Figure 1, the active category is made up of six detailed categories laid out in Table 8. The "hay, grain, corn, and improved pasture" category accounts for the majority of active land. In fact, except for the top three and bottom two of the list, all municipalities have 80 to 100 percent of their active land in this category.

Table 7: Active Land in Municipality Ranked as Percent of Province				
Range in Total Amount Active Land	Rural Munic.	Active Hectares	Percent of Prov.	Cumulative Percent
20,000 ha. +	Kings	34270.6	16.18%	16.18%
	Cumberland	30687.9	14.49%	30.68%
	Pictou	26526.3	12.53%	43.20%
	Colchester	24162.1	11.41%	54.61%
10,000 to 20,000 ha.	Annapolis	17242.5	8.14%	62.76%
	Antigonish	11547.6	5.45%	68.21%
	Inverness	11154.1	5.27%	73.48%
	Hants West	10327.4	4.88%	78.35%
	Hants East	10137.3	4.79%	83.14%
2,000 to 10,000 ha.	Halifax	7087.3	3.35%	86.49%
	Lunenburg	6737.4	3.18%	89.67%
	Cape Breton	4667.1	2.20%	91.87%
	Yarmouth	3405.9	1.61%	93.48%
	Victoria	2818.7	1.33%	94.81%
	Guysborough	2068.0	0.98%	95.79%
	Digby	2020.4	0.95%	96.74%
under 2,000 ha.	Richmond	1668.4	0.79%	97.53%
	Clare	1390.7	0.66%	98.19%
	Queens	1111.9	0.53%	98.71%
	Chester	862.9	0.41%	99.12%
	St. Mary's	840.6	0.40%	99.52%
	Argyle	705.7	0.33%	99.85%
	Shelburne	209.4	0.10%	99.95%
	Barrington	106.2	0.05%	100.00%
	Prov. Total	211756.4	100.00%	

MAP 3
ACTIVE AGRICULTURAL LAND

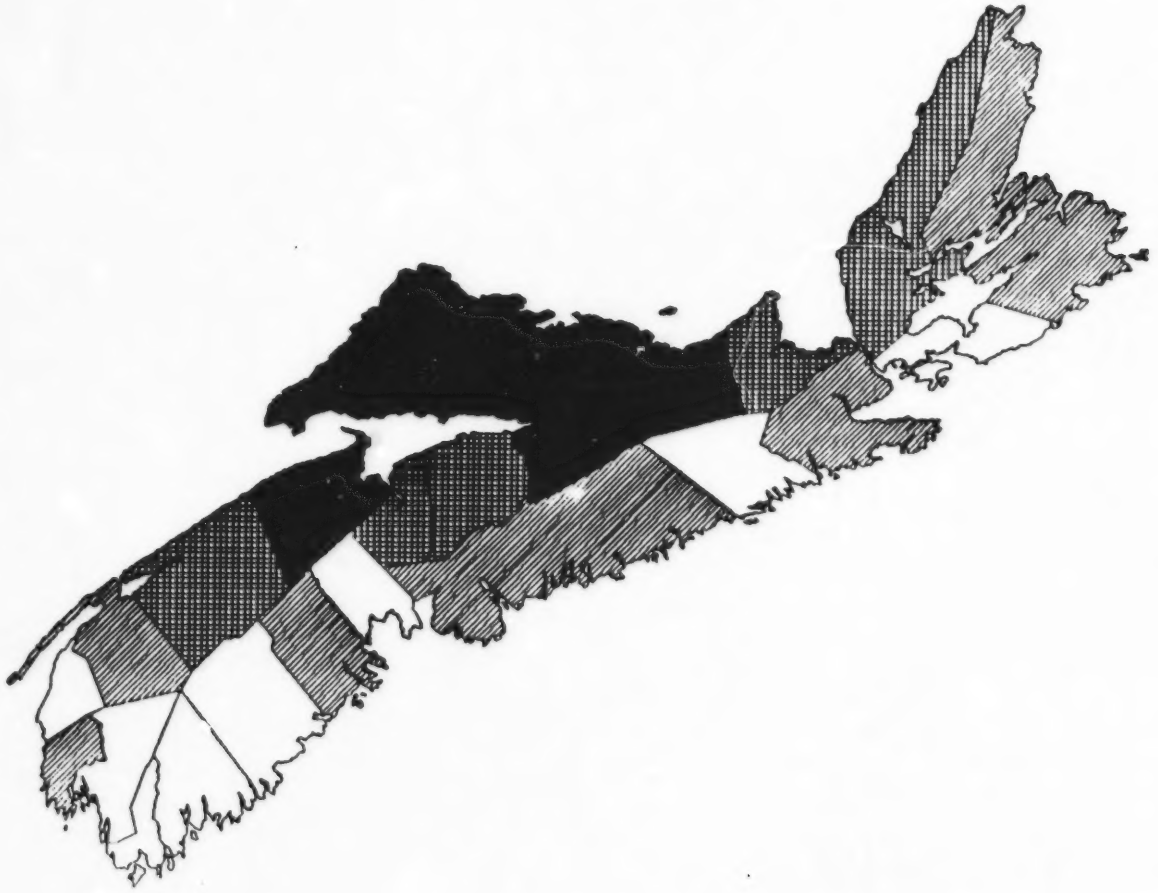


Table 8: Land Use Types in Active Category

Rural Municipality	Hay,Grain, Corn,Imp. Pasture	Percent of Tot. Active	Horti-cultural & Row	Orchards	Blue-berries	Unimp. or Rough Pasture	Rough Pasture, former Orchard	Total, Active Category
Kings	26060.0	76.04%	3941.0	3584.3	47.3	606.8	31.2	34270.6
Cumberland	22500.2	73.32%	450.7	207.8	7068.5	460.7	0.0	30687.9
Pictou	16273.7	61.35%	164.6	27.6	984.5	9075.9	0.0	26526.3
Colchester	22483.4	93.05%	242.3	37.5	1087.0	273.9	38.0	24162.1
Annapolis	16290.4	94.48%	313.1	408.3	4.8	220.8	5.1	17242.5
Antigonish	11026.4	95.49%	82.8	1.4	116.0	321.0	0.0	11547.6
Inverness	10461.4	93.79%	41.2	7.1	31.0	613.4	0.0	11154.1
Hants West	9617.1	93.12%	41.3	316.6	11.3	331.1	10.0	10327.4
Hants East	9674.9	95.44%	10.6	3.7	257.4	190.7	0.0	10137.3
Halifax	6544.5	92.34%	71.8	3.1	207.0	260.9	0.0	7087.3
Lunenburg	6350.1	94.25%	107.8	31.0	4.8	243.7	0.0	6737.4
Cape Breton	4440.0	95.13%	90.8	2.9	0.0	133.4	0.0	4667.1
Yarmouth	2918.5	85.69%	50.4	6.1	15.5	415.4	0.0	3405.9
Victoria	2653.2	94.13%	21.8	7.1	0.0	136.6	0.0	2818.7
Guysborough	1903.5	92.05%	11.3	1.9	20.7	130.6	0.0	2068
Digby	1958.3	96.93%	16.4	2.6	0.0	43.1	0.0	2020.4
Richmond	1421.4	85.20%	19.5	3.2	28.0	196.3	0.0	1668.4
Clare	1303.4	93.72%	21.5	5.9	3.9	51.7	4.3	1390.7
Queens	1028.0	92.45%	12.5	2.6	0.0	68.8	0.0	1111.9
Chester	753.8	87.36%	17.2	0.0	0.0	91.9	0.0	862.9
St. Mary's	754.1	89.71%	26.0	0.0	31.7	28.8	0.0	840.6
Argyle	584.8	82.87%	18.6	1.2	0.0	101.1	0.0	705.7
Shelburne	139.1	66.43%	6.1	1.8	0.0	62.4	0.0	209.4
Barrington	29.7	27.97%	1.2	2.0	0.0	73.3	0.0	106.2
Prov. Total	177169.9		5780.5	4665.7	9919.4	14132.3	88.6	211756.4

Kings not only has more land in the hay, etc., category than any other municipality, but it has 4 thousand hectares of horticultural and new crops (68% of provincial total) and 3600 hectares of orchards (77 percent of provincial total). No other municipality has more than about one-tenth of the amount Kings has in either case. Cumberland has 8 percent of provincial horticultural and row crops followed by Annapolis at 5 percent. Annapolis has 9 percent of the provincial orchards total, followed by Hants West with 7 percent.

Blueberries are an important use in Cumberland, which has 7 thousand hectares, for 71 percent of provincial total. Colchester and Pictou each have about one thousand hectares and 10 percent of the provincial total.

Tree Plantations

Christmas tree plantations stand out as being important only in certain areas of the province. In Table 6, of the 1400 hectares in the province, 376 hectares or 27 percent are in Lunenburg, 266 hectares or 19 percent in Kings, 175 hectares or 12 percent in Pictou, 167 hectares or 12 percent in Annapolis,, and 135 hectares or 10 percent in Chester. In these 5 municipalities is concentrated 80 percent of provincial plantation area.

IV. COMPARISON OF AGRICULTURAL USAGE WITH CAPABILITY

The previous two sections have separately examined the extent of land in each municipality suitable for agricultural production and land actually in such production. A comparison is now made between the two areas, so as to answer the question: to what degree has the agricultural potential been utilized?

Detailed correlation, at the level of the individual field, between capability and use is lacking. Cleared fields are not necessarily all located on Class 2, 3, or 4 land. However, it is reasonably likely that, in general, the most intensively utilized fields - those in the "active" category - will tend to be on land within these capability classes. This assumption is thus taken as a working hypothesis, until more detailed study is undertaken, and as an aid to visualizing the meaning of the ratios calculated in this section.

In Table 9, the ratio between the amount of land in the active category and the Class 2, 3, and 4 total area in each municipality is calculated. Seven municipalities have a higher ratio than does the province overall.

Annapolis, Chester, and Kings all have ratios between .34 and .37. If the assumption that all active fields are on Class 2, 3, and 4 land holds, this means that 34 to 37 percent of the land with agricultural potential is actually utilized for production.

Table 9 : Comparison of Agricultural Capability and Use as Percent of Province							
Rural Munic.	Class 2 -3-4 Ha.	Percent of Prov.	Grouping Subtotal	Active Hectares	Percent of Prov.	Grouping Subtotal	Active/ Class 2,3,4
Annapolis	46755.0	3.09%		17242.5	8.50%		0.3688
Chester	2520.0	0.17%		862.9	0.43%		0.3424
Kings	100773.8	6.66%	9.92%	34270.6	16.89%	24.73%	0.3401
Queens	4742.1	0.31%		1111.9	0.55%		0.2345
Lunenburg	33636.3	2.22%		6737.4	3.32%		0.2003
Pictou	137724.0	9.10%		17616.7	8.68%		0.1926
Hants West	54308.7	3.59%	15.23%	10327.4	5.09%	21.11%	0.1902
Shelburne	1507.5	0.10%		209.4	0.10%		0.1389
Colchester	175812.2	11.62%		24162.1	11.91%		0.1374
Antigonish	87001.1	5.75%		11547.6	5.69%		0.1327
Cumberland	231249.9	15.28%		30687.9	15.13%		0.1327
Barrington	909.6	0.06%		106.2	0.05%		0.1168
Yarmouth	31385.5	2.07%		3405.9	1.68%		0.1085
Inverness	111097.2	7.34%	42.23%	11154.1	5.50%	38.38%	0.1004
Victoria	32642.2	2.16%		2818.7	1.39%		0.0864
Halifax	84039.2	5.55%		7087.3	3.49%		0.0843
Hants East	132900.4	8.78%		10137.3	5.00%		0.0763
St. Mary's	12059.0	0.80%		840.6	0.41%		0.0697
Cape Breton	69910.7	4.62%		4667.1	2.30%		0.0668
Digby	30466.9	2.01%		2020.4	1.00%		0.0663
Richmond	34080.6	2.25%		1668.4	0.82%		0.0490
Guysborough	45468.5	3.01%		2068	1.02%		0.0455
Clare	33895.3	2.24%		1390.7	0.69%		0.0410
Argyle	18131.4	1.20%	32.62%	705.7	0.35%	15.77%	0.0389
Prov. Total	1513017.1	100.00%		202846.8	100.00%		0.1400

These three municipalities contain only 10 percent of the Table 9 province's Class 2, 3, and 4 land but 25 percent of its active land.

Queens, Lunenburg, Pictou, and Hants West contain 15 percent of the land with agricultural potential but 21 percent of the active land. In each case, if the capability-use correlation assumption holds, between 19 and 24 percent of good land is actively utilized.

Seven other municipalities, with a total of 42 percent of agricultural capability and 38 percent of activity, each have between 10 and 14 percent utilization. This grouping includes Cumberland and Colchester, which have the most good agricultural land of any municipalities in the province, as well as Antigonish and Inverness.

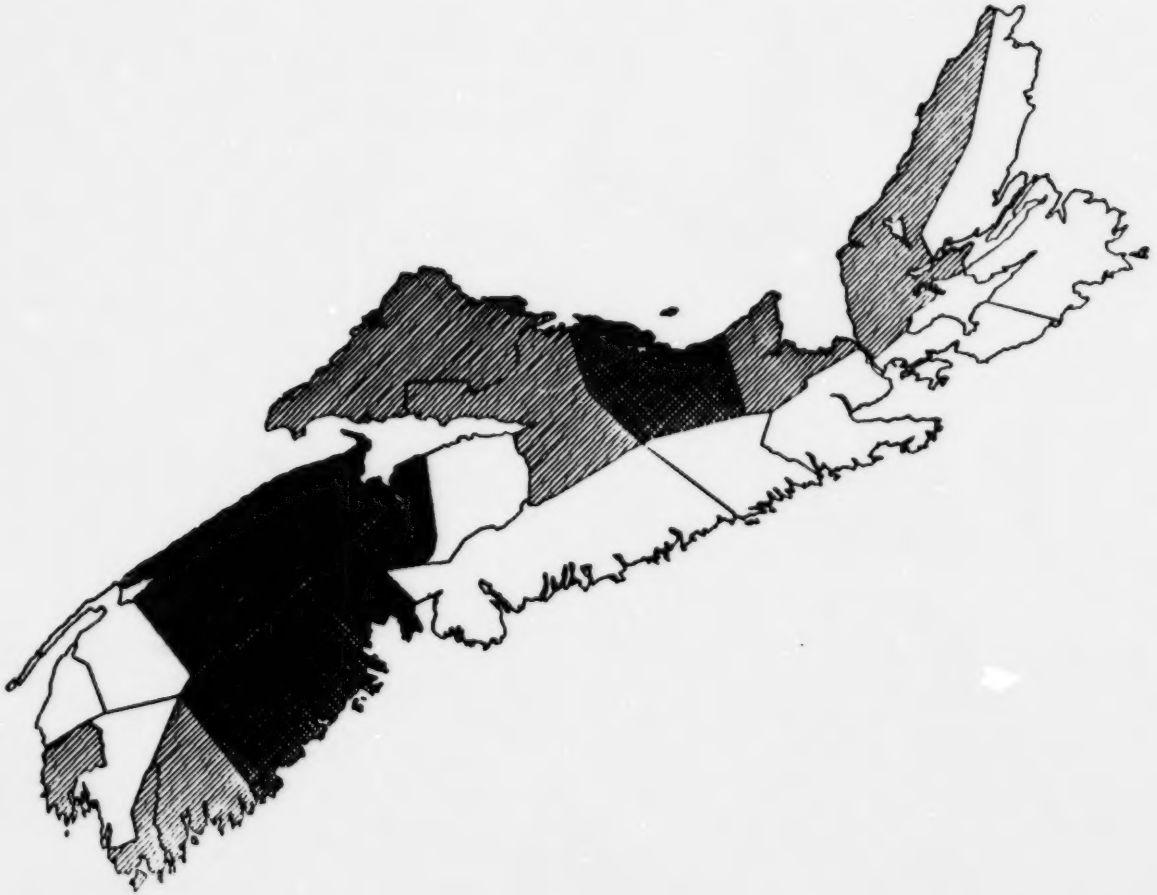
Finally, the remaining 10 municipalities total to 33 percent of provincial capability but only 16 percent of activity, and each has only 4 to 9 percent of their good land utilized. Hants East has the largest potential agricultural base of this group, with roughly the same Class 2, 3, and 4 area as Pictou, but has considerably less than half the amount of active land that Pictou has.

This ratio range groupings indicated in Table 9 are shown in Map 4. The highest utilization municipalities form a solid core area from the Digby-Shelburne line to the Halifax-East Hants boundaries, plus Pictou further east. Municipalities in the grouping of lowest utilization stretch in an unbroken band from East Hants south to Halifax and then east to Cape Breton and north again to Victoria.

Other General Categories

The other three generalized categories of land in agricultural use - grazing, newly cleared, and tree plantation - have not been included in the use versus capability comparison. Grazing and tree plantations could take place on land of lower capability rating; the latter produces a particularly long-term crop. Newly cleared land is likely to have come into active production in the following year, but other active land could just as well have gone into the idle category. Nonetheless, inclusion of these other categories would have had an impact on the relative rankings of Table 9 in a few cases. Newly cleared land in Antigonish covered more than 10 percent of the area that active land covered, and Lunenburg tree plantation occupied 6 percent of the area taken up by active land.

MAP 4
RATIO OF ACTIVE TO CLASS 2,3,4 LAND



Ratio Range

- 0.00011 to 0.0999
- 0.1 to 0.1899
- 0.191 to 0.3399
- 0.34 to 0.9999

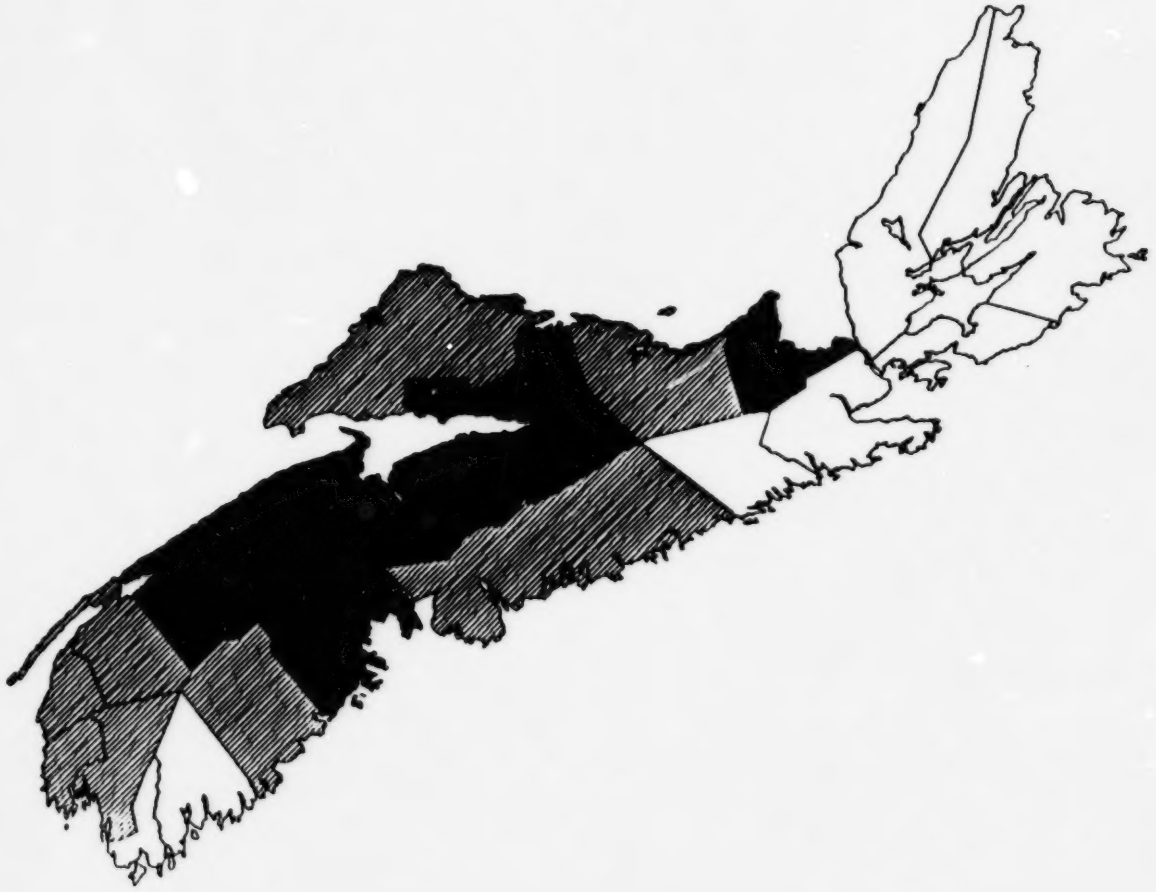
V. LOSS OF AGRICULTURAL LAND

The Agricultural Land Use Survey was not designed to delineate former agricultural fields lost to residential and other types of urban development; however, it did indicate fields which had been abandoned within the previous year or so (the "idle" category) or in the past several years (the "restocking" category). Table 10 shows that 79 thousand hectares or over a quarter of the total "cleared land" (as calculated from Figure 1) in the province is "not in agricultural use," falling in one or the other of these categories.

The table shows that a third of municipalities fall into a distinct grouping, having 47 to 58 percent of their cleared land not in agricultural use. As is made clear in Map 5, these municipalities form a solid block including all of Guysborough County and Cape Breton Island, as well as Shelburne County at the other end of the province. On the other hand, municipalities with the lowest percentage of abandoned land (13 to 22 percent of cleared) form a solid block extending from Annapolis and Lunenburg east to Colchester, plus Antigonish.

Table 10 : Percentage of Cleared Land Agricultural				
Rural Munic.	Ha. in Agric. Use	Percent of Total Cleared	Ha. not in Agric. Use	Percent of Total Cleared
Kings	36105.1	86.96%	5415.1	13.04%
Annapolis	18004.7	85.28%	3107.5	14.72%
Hants West	10867.0	84.29%	2025.2	15.71%
Lunenburg	7290.8	84.01%	1387.4	15.99%
Chester	1016.3	83.05%	207.4	16.95%
Hants East	10488.1	80.77%	2497.1	19.23%
Antigonish	13076.0	80.10%	3247.9	19.90%
Colchester	25303.4	78.01%	7133.8	21.99%
Queens	1156.3	77.86%	328.8	22.14%
Yarmouth	3450.6	76.88%	1037.9	23.12%
Pictou	27819.8	75.43%	9060.4	24.57%
Argyle	728.5	72.97%	269.8	27.03%
Halifax	7346.8	71.72%	2896.9	28.28%
Cumberland	32055.5	71.51%	12771.6	28.49%
Digby	2091.3	69.20%	931.0	30.80%
Clare	1470.7	63.37%	850.2	36.63%
Shelburne	226.9	52.88%	202.2	47.12%
Inverness	12303.9	51.79%	11455.0	48.21%
Barrington	107.5	50.78%	104.2	49.22%
Victoria	2973.7	49.69%	3011.1	50.31%
St. Mary's	920.9	49.65%	933.9	50.35%
Guysborough	2320.2	48.79%	2434.9	51.21%
Cape Breton	4825.4	48.12%	5203.0	51.88%
Richmond	1785.8	42.47%	2419.5	57.53%
Total	223735.2	73.92%	78931.8	26.08%

MAP 5
PERCENT OF CLEARED LAND IN AGRICULTURAL USE



Percent Range

- 42.47 to 63.37
- 63.37 to 78.01
- 78.01 to 87.90

VI. THE EFFECT OF CAPABILITY ON UTILIZATION

What factors determine the extent to which land of good capability for agriculture is actually utilized for agricultural production? Obviously, they are many, including size of and distance to markets, climate, capital stock in farms and level of entrepreneurship. A quantitative model incorporating such factors would require considerable data and the use of econometric methods.

On a more basic level, using only the data available here, we ask the question: is there a relationship between the level of utilization and the actual quantity of good capability land? The relationship is examined looking at the utilization in both absolute terms, i.e. the number of hectares, and in relative terms, i.e. as a percentage of total good capability land. Correlation matrices are tabulated, matching the quintile (i.e. one-fifth of the ranked cases) of total Class 2, 3, and 4 land in which a municipality falls against the quintile in which it falls with respect to a measure of utilization, either of all cleared land or of only active land. All cases falling along the diagonal would indicate perfect correlation.

The first matrix, in Table 11, relates the absolute amount of good capability land with the absolute amount of cleared land, including that not currently in agricultural use. A relatively good correlation is obtained, with 14 municipalities along the

Table 11 : Capability Total versus Cleared Land Total Matrix

Class 2,3,4 Quintile*	Cleared Land Quintile**				
	1 (highest)	2	3	4	5 (lowest)
1 (highest)	Pictou Colchester Cumberland Inverness	Hants East			
2	Kings	Hants West Antigonish Halifax	Cape Breton		
3		Annapolis	Lunenburg Guysborough	Richmond Clare	
4			Yarmouth Victoria	St. Mary's Digby	Argyle
5 (lowest)				Queens	Chester Shelburne Barrington

*Class 2,3,4 quintiles are from Table 4

**Cleared land quintiles are from Table 6

diagonal. To the left of the diagonal with more cleared land than expected are Kings, Annapolis, Yarmouth, Victoria and Queens, while to the right with less cleared land are Hants East, Cape Breton, Richmond, Clare, and Argyle. It appears that, in general, the more good capability land a municipality has, the more cleared land it has.

The second matrix, Table 12, again relates absolute amounts, but in this case the quantity of active land rather than cleared land is compared to the amount of good capability land. The correlation loosens up somewhat from the previous matrix, with 11 municipalities along the diagonal; however, 12 of the other 13 cases are clustered in cells immediately adjoining the diagonal. Chester joins the municipalities with more utilization than those on the diagonal; Inverness and St. Mary's join those with less utilization.

Along the diagonal, 8 of 11 cases have utilization ratios (active/good capability) between 0.12 and 0.20. This can be considered a "main sequence" range for utilization ratios, and municipalities outside this range or not on the diagonal can be considered as having unusual circumstances which alter the normally expected utilization upward or downward. The matrix indicates a tendency for the amount of active land to increase with the amount of Class 2, 3, and 4 land in the municipality.

Table 12 : Capability Total versus Active Land Total Matrix
(Utilization Ratios in Brackets) +

Class 2,3,4 Quintile*	Active Land Quintile**				
	1 highest	2	3	4	5 (lowest)
1 (highest)	Pictou(.19) Colchester(.14) Cumberland(.13)	Hants East(.08) Inverness(.10)			
2	Kings(.34)	Hants West(.19) Antigonish(.13) Halifax(.08)	Cape Breton(.07)		
3	Annapolis(.37)		Lunenburg(.20) Guysborough(.05)	Richmond(.05) Clare(.04)	
4			Yarmouth(.11) Victoria(.09)	Digby(.07)	Argyle(.04) St. Mary's(.07)
5 (lowest)				Queens(.24) Chester(.34)	Barrington(.12) Shelburne(.14)

*Class 2,3,4 quintiles are from Table 4

**Active land quintiles are from Table 8

+ Utilization ratio is (Active/Class 2,3,4) ratio

The third and final matrix (Table 13) reveals an effect which is less intuitively obvious. The correlation is with the relative utilization rather than the absolute, i.e. with the utilization ratio itself. The pattern splits into two pieces, with no relationship to a diagonal. The municipalities which fall in the 3 quintiles with the most good capability land appear to show an inverse relationship: as the amount of good capability land increases, the percent of it utilized tends to fall. The same relationship holds for 12 municipalities in the 3 quintiles with the least good capability land. Halifax and Cape Breton, with the two most heavily urbanized municipalities, do not seem to fit into the relationship.

The technique of dividing cases into quintiles and putting the quintiles into a matrix makes for fairly crude results. Nevertheless, the plot of data points for individual municipalities in Figure 3 gives an indication of the same general picture. The utilization ratio increases with decreasing total Class 2, 3, and 4 for the 6 municipalities farthest out on the two axes; a similar pattern which is almost perfectly linear occurs for another 6 municipalities in the mid-ranges of the two axes. A further 10 municipalities cluster relatively closely together in a scattershot pattern close to the origin, and Halifax and Cape Breton are on their own.

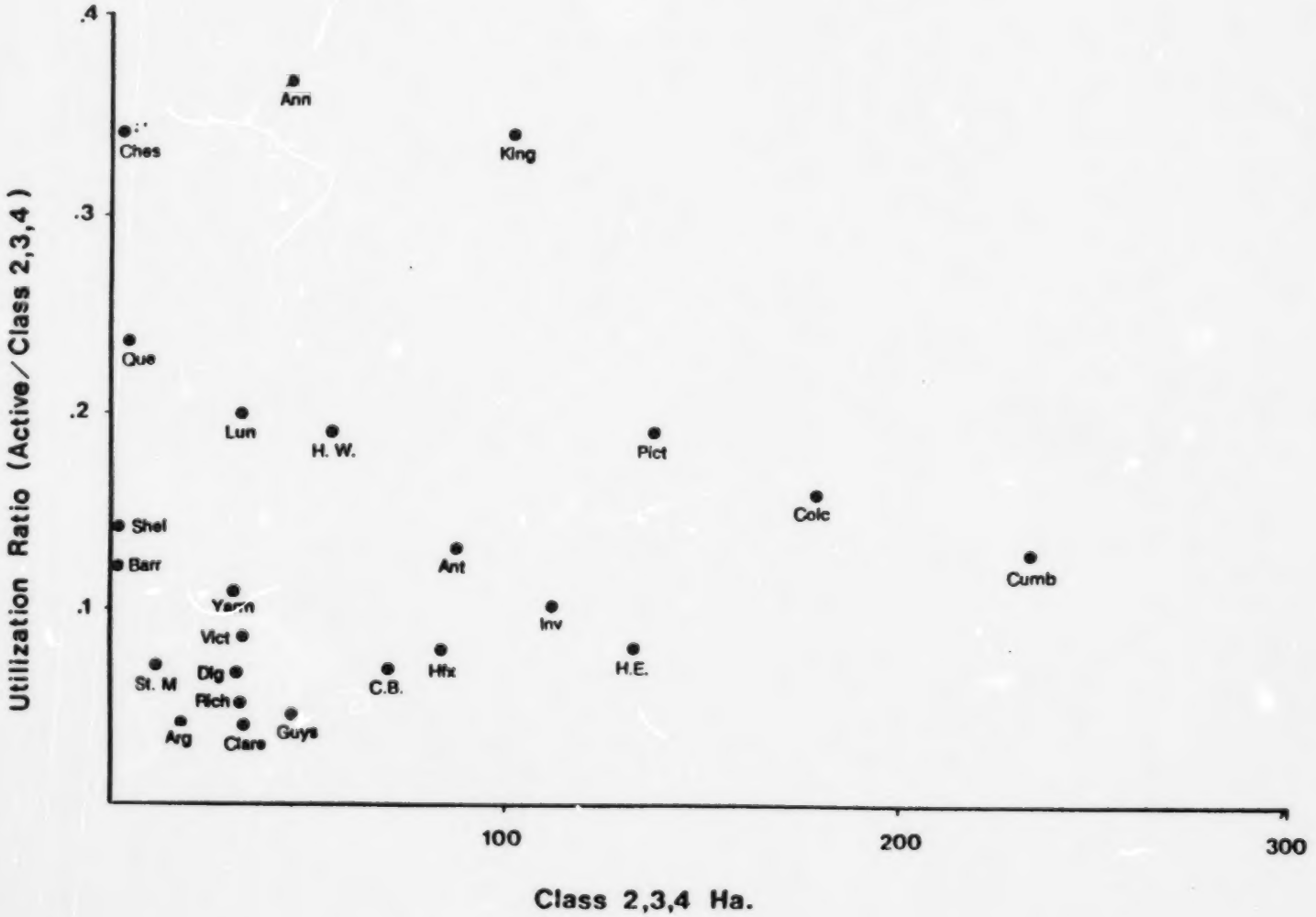
Table 13 : Capability Total versus Utilization Ratio Matrix
(Utilization Ratios in Brackets)

Class 2,3,4 Quintile*	Utilization Ratio Quintile ** 1 (highest)	2	3	4	5 (lowest)
1 (highest)		Pictou(.19) Colchester(.14)	Cumberland(.13) Inverness(.10)	Hants East(.08)	
2	Kings(.34)	Hants West(.19) Antigonish(.13)		Halifax(.08) Cape Breton(.07)	
3	Annapolis(.37) Lunenburg(.20)				Richmond(.05) Clare(.04)
4			Yarmouth(.11) Victoria(.09)	Digby(.07) St. Mary's(.07)	Guysborough(.05) Argyle(.04)
5 (lowest)	Queens(.24) Chester(.34)	Shelburne(.14)	Barrington(.12)		

* Class 2,3,4 quintiles are from Table 4
** Utilization ratio quintiles are from Table 9

FIGURE 3

Plot of Utilization Ratio Versus Class 2,3,4 Total



These results suggest that a certain type of behaviour is operating in the utilization of land with agricultural potential; namely, the more good land a municipality has, the smaller the proportion of it that is utilized. Presumably, the municipality with a large amount of land can afford to use just what is currently required, while the one with only a small amount is forced to more heavily utilize it, even if just to meet some local needs.

VII. AGRICULTURAL IMPORTANCE WITHIN NATIONAL TOPOGRAPHIC SURVEY GRID

The area figures for agricultural capability and activity have to this point been provided for the 24 rural municipalities as individual units. The actual maps displaying the distribution of agricultural fields on Class 2, 3, or 4 land or otherwise are, however, not available for the entire municipalities as units.

The original Agricultural Land Use Survey was plotted at a scale of 1:10,000 on the LRIS base maps, numbering about 2,000 for the entire province. The original maps have been photo-reduced and made into 89 separate map mosaics at a scale of 1:50,000 corresponding to the National Topographic Survey (NTS) grid maps. For each municipality, totals for each of the NTS maps making it up are given in Tables 14 through 16.

Table 14 gives the areas of Class 2, 3, and 4, the total of the 3 classes, and the percent it forms of the total land area within the municipality on the map sheet. In addition, the percentage of the municipal total contained on each map sheet is shown. Map 6 attempts to single out those NTS map sections of significance in terms of agricultural capability.

An NTS section of a municipality is here considered as being of "major" significance in terms of capability if it contains more than 10,000 hectares of Class 2, 3, and 4 land representing more than 20 percent of the total land area. The section has "minor"

Table 14: CLI Areas by Municipal Portion of NTS Sheet

NTS Sheet	Municipality	Class 2 Hectares	Class 3 Hectares	Class 4 Hectares	Class 2,3,4 Hectares	% Municip. Class 2,3,4	Percent of Total	Total Land Hectares	% Municip Land Area
21A05	Annapolis	0.0	0.0	0.0	0.0	0.00%	0.00%	4288.9	1.28%
21A06	Annapolis	0.0	528.6	0.0	528.6	1.13%	1.24%	42482.1	12.67%
21A10	Annapolis	5.0	1075.0	0.0	1080.0	2.31%	3.40%	31779.8	9.48%
21A11	Annapolis	0.0	242.5	135.0	377.5	0.81%	0.35%	107222.0	31.99%
21A12	Annapolis	0.0	6751.4	250.0	7001.4	14.97%	22.72%	30820.8	9.20%
21A13	Annapolis	0.0	171.0	85.0	256.0	0.55%	3.95%	6482.4	1.93%
21A14	Annapolis	350.0	18679.7	9900.9	28930.6	61.88%	35.00%	82661.7	24.66%
21A15	Annapolis	372.5	670.0	1900.9	2943.4	6.30%	13.52%	21771.3	6.50%
21H02	Annapolis	75.0	950.0	1525.0	2550.0	5.45%	85.62%	2978.4	0.89%
21H03	Annapolis	0.0	510.0	2577.5	3087.5	6.60%	65.99%	4678.4	1.40%
Total		802.5	29578.2	16374.3	46755	100.00%	13.95%	335165.8	100.00%
11E08	Antigonish	75.0	1710.0	2420.9	4205.9	4.83%	37.07%	11345.6	7.81%
11E09	Antigonish	862.5	15297.2	2900.0	19059.7	21.91%	46.63%	40874.1	28.13%
11E16	Antigonish	0.0	1957.5	207.5	2165.0	2.49%	29.45%	7350.2	5.06%
11F05	Antigonish	187.5	3199.4	4775.9	8162.8	9.38%	56.03%	14567.4	10.03%
11F11	Antigonish	0.0	145.0	90.0	235.0	0.27%	8.73%	2693.4	1.85%
11F12	Antigonish	4970.0	38986.0	5071.7	49027.7	56.35%	83.38%	58802.8	40.47%
11F13	Antigonish	0.0	3815.0	330.0	4145.0	4.76%	42.84%	9675.2	6.66%
Total		6095	65110.1	15796	87001.1	100.00%	59.87%	145308.7	100.00%
20O16	Argyle	0.0	1460.1	0.0	1460.1	8.05%	75.60%	1931.3	1.23%
20P12	Argyle	0.0	3461.7	320.0	3781.7	20.86%	13.77%	27471.7	17.51%
20P13	Argyle	0.0	2928.2	6963.9	9892.1	54.56%	14.17%	69800.6	44.49%
21A03	Argyle	0.0	0.0	0.0	0.0	0.00%	0.00%	6511.5	4.15%
21A04	Argyle	0.0	1277.5	1720.0	2997.5	16.53%	5.86%	51177.0	32.62%
Total		0	9127.5	9003.9	18131.4	100.00%	11.56%	156892.1	100.00%
20P05	Barrington	0.0	0.0	0.0	0.0	0.00%	0.00%	4360.0	7.59%
20P06	Barrington	0.0	0.0	0.0	0.0	0.00%	0.00%	1272.5	2.21%
20P11	Barrington	0.0	146.0	80.0	226.0	24.85%	2.76%	8197.6	14.26%
20P12	Barrington	0.0	531.1	27.5	558.6	61.41%	1.69%	33050.2	57.51%
20P13	Barrington	0.0	125.0	0.0	125.0	13.74%	1.18%	10589.0	18.43%
Total		0	802.1	107.5	909.6	100.00%	1.58%	57469.3	100.00%
11F09	Cape Breton	0.0	180.0	0.0	180.0	0.26%	18.05%	997.5	0.32%
11F15	Cape Breton	455.0	4722.5	117.5	5295.0	7.57%	13.19%	40133.4	12.77%
11F16	Cape Breton	230.0	6569.3	4998.4	11797.7	16.88%	11.22%	105144.0	33.45%
11G13	Cape Breton	0.0	62.5	0.0	62.5	0.09%	0.53%	11717.7	3.73%
11J04	Cape Breton	0.0	4073.4	47.5	4120.9	5.89%	18.61%	22136.8	7.04%
11K01	Cape Breton	4738.4	33389.4	2950.0	41077.8	58.76%	39.02%	105275.0	33.49%
11K02	Cape Breton	0.0	897.5	35.0	932.5	1.33%	5.34%	17462.9	5.56%
11K08	Cape Breton	0.0	3643.4	2800.9	6444.3	9.22%	56.24%	11458.6	3.65%
Total		5423.4	53538	10949.3	69910.7	100.00%	22.24%	314327.9	100.00%

Table 14: CLI Areas by Municipal Portion of NTS Sheet

NTS Sheet	Municipality	Class 2 Hectares	Class 3 Hectares	Class 4 Heactares	Class 2,3,4 Hectares	% Municip. Class 2,3,4	Percent of Total	Total Land Hectares	% Municip Land Area
21A08	Chester	0.0	940.0	0.0	940.0	37.30%	16.79%	5598.9	4.58%
21A09	Chester	0.0	635.0	100.0	735.0	29.17%	0.97%	75555.2	61.83%
21A10	Chester	0.0	252.5	20.0	272.5	10.81%	2.04%	13354.2	10.93%
21A15	Chester	0.0	405.0	0.0	405.0	16.07%	5.80%	6984.3	5.72%
21A16	Chester	0.0	167.5	0.0	167.5	6.65%	0.81%	20697.3	16.94%
Total		0	2400	120	2520	100.00%	2.06%	122189.9	100.00%
21A04	Clare	0.0	2505.8	1090.6	3596.4	10.61%	14.41%	24961.4	28.84%
21A05	Clare	0.0	5939.4	2171.4	8110.8	23.93%	54.52%	14878.1	17.19%
21B01	Clare	0.0	11574.1	2751.8	14325.9	42.27%	44.49%	32202.3	37.21%
21B06	Clare	0.0	2530.3	5331.9	7862.2	23.20%	54.22%	14499.9	16.75%
Total		0	22549.6	11345.7	33895.3	100.00%	39.17%	86541.7	100.00%
11E02	Colchester	610.0	1643.4	4140.9	6394.3	3.64%	72.09%	8870.2	2.44%
11E03	Colchester	1717.5	38642.5	4561.8	44921.8	25.55%	79.48%	56522.0	15.52%
11E05	Colchester	8636.8	8015.9	7932.5	24585.2	13.98%	50.27%	48906.7	13.43%
11E06	Colchester	11850.0	22577.5	17487.4	51914.9	29.53%	50.62%	102564.0	28.17%
11E07	Colchester	207.5	3765.9	1877.5	5850.9	3.33%	18.95%	30880.8	8.48%
11E11	Colchester	10035.2	20164.7	9072.7	39272.6	22.34%	46.78%	83951.1	23.06%
11E12	Colchester	0.0	10.0	262.5	272.5	0.15%	1.61%	16944.5	4.65%
11E14	Colchester	285.0	0.0	0.0	285.0	0.16%	100.00%	285.0	0.08%
21H09	Colchester	0.0	0.0	0.0	0.0	0.00%	0.00%	5137.6	1.41%
21H08	Colchester	40.0	492.5	1782.5	2315.0	1.32%	23.01%	10062.1	2.76%
Total		33382	95312.4	47117.8	175812.2	100.00%	48.28%	364124	100.00%
11E05	Cumberland	0.0	0.0	267.5	267.5	0.12%	8.98%	2978.4	0.68%
11E11	Cumberland	1258.4	4135.9	1317.5	6711.8	2.90%	83.93%	7996.8	1.83%
11E12	Cumberland	260.0	34798.3	20901.3	55959.6	24.20%	59.49%	94071.3	21.55%
11E13	Cumberland	34423.2	23589.7	5060.9	63073.8	27.28%	92.99%	67828.2	15.54%
11E14	Cumberland	2853.4	10590.2	350.0	13793.6	5.96%	96.47%	14298.6	3.28%
21H07	Cumberland	0.0	660.0	3102.5	3762.5	1.63%	8.30%	45353.5	10.39%
21H08	Cumberland	0.0	160.0	5303.4	5463.4	2.36%	14.71%	37140.5	8.51%
21H09	Cumberland	117.5	10735.2	28942.4	39795.1	17.21%	41.56%	95754.6	21.94%
21H10	Cumberland	0.0	0.0	0.0	0.0	0.00%	0.00%	18682.9	4.28%
21H16	Cumberland	13554.3	23444.9	5423.4	42422.6	18.34%	81.03%	52353.7	12.00%
Total		52466.8	108114.2	70668.9	231249.9	100.00%	52.98%	436458.5	100.00%
21A03	Digby	0.0	0.0	0.0	0.0	0.00%	0.00%	6433.4	3.48%
21A04	Digby	0.0	0.0	0.0	0.0	0.00%	0.00%	14376.7	7.77%
21A05	Digby	160.0	7982.5	4637.5	12780.0	41.95%	13.84%	92344.4	49.91%
21A06	Digby	0.0	0.0	0.0	0.0	0.00%	0.00%	19727.9	10.66%
21A12	Digby	1405.0	11186.1	2707.5	15298.6	50.21%	39.20%	39029.0	21.10%
21B01	Digby	0.0	225.0	0.0	225.0	0.74%	31.91%	705.0	0.38%
21B08	Digby	0.0	832.8	1330.5	2163.3	7.10%	21.52%	10050.7	5.43%
21B09	Digby	0.0	0.0	0.0	0.0	0.00%	0.00%	2345.0	1.27%
Total		1565	20226.4	8675.5	30466.9	100.00%	16.47%	185012.1	100.00%

Table 14: CLI Areas by Municipal Portion of NTS Sheet

NTS Sheet	Municipality	Class 2 Hectares	Class 3 Hectares	Class 4 Hectares	Class 2,3,4 Hectares	% Municip Class 2,3,4	Percent of Total	Total Land Hectares	% Municip Land Area
11E08	Guysborough	0.0	0.0	0.0	0.0	0.00%	0.00%	32.7	0.01%
11F03	Guysborough	0.0	52.5	117.5	170.0	0.37%	1.19%	14299.5	6.18%
11F04	Guysborough	0.0	0.0	592.5	592.5	1.30%	1.80%	32895.0	14.22%
11F05	Guysborough	254.9	18639.8	5248.4	24143.1	53.10%	27.96%	86355.9	37.33%
11F06	Guysborough	77.5	15082.9	1617.5	16777.9	36.90%	27.42%	61178.9	26.44%
11F07	Guysborough	0.0	177.5	5.0	182.5	0.40%	10.01%	1822.5	0.79%
11F11	Guysborough	0.0	500.0	157.5	657.5	1.45%	3.46%	18992.9	8.21%
11F12	Guysborough	37.5	2490.0	417.5	2945.0	6.48%	18.67%	15775.4	6.82%
Total		369.9	36942.7	8155.9	45468.5	100.00%	19.65%	231352.8	100.00%
11D05	Halifax	0.0	0.0	0.0	0.0	0.00%	0.00%	8549.7	1.48%
11D10	Halifax	0.0	0.0	12.5	12.5	0.01%	0.23%	5384.3	0.93%
11D11	Halifax	0.0	6095.9	207.5	6303.4	7.50%	17.86%	35286.3	6.11%
11D12	Halifax	550.0	1647.5	4095.4	6292.9	7.49%	6.99%	90080.6	15.61%
11D13	Halifax	27.5	4283.4	442.5	4753.4	5.66%	9.56%	49740.3	8.62%
11D14	Halifax	600.5	23608.1	1132.5	25341.1	30.15%	24.04%	105430.0	18.26%
11D15	Halifax	0.0	592.5	477.5	1070.0	1.27%	1.15%	92652.9	16.05%
11D16	Halifax	0.0	917.5	317.5	1235.0	1.47%	4.61%	26769.7	4.64%
11E01	Halifax	0.0	862.5	0.0	862.5	1.03%	3.97%	21744.0	3.77%
11E02	Halifax	162.5	4420.9	6155.0	10738.4	12.78%	11.78%	91185.4	15.80%
11E03	Halifax	1200.0	22256.6	3963.4	27420.0	32.63%	88.05%	31142.5	5.39%
11E07	Halifax	0.0	0.0	0.0	0.0	0.00%	0.00%	1382.5	0.24%
21A09	Halifax	0.0	0.0	0.0	0.0	0.00%	0.00%	13839.2	2.40%
21A16	Halifax	0.0	10.0	0.0	10.0	0.01%	0.25%	4063.4	0.70%
Total		2540.5	64694.9	16803.8	84039.2	100.00%	14.56%	577250.8	100.00%
11D13	Hants East	0.0	4255.9	894.8	5150.7	3.88%	11.65%	44222.4	23.43%
11D14	Hants East	0.0	2018.4	417.5	2435.9	1.83%	81.79%	2978.4	1.58%
11E03	Hants East	1555.0	16097.9	695.0	18347.9	13.81%	93.85%	19550.4	10.36%
11E04	Hants East	2545.0	61194.2	20280.6	84019.8	63.22%	86.29%	97366.3	51.58%
11E05	Hants East	2997.5	16466.1	845.0	20308.6	15.28%	96.35%	21078.1	11.17%
11E06	Hants East	740.0	405.0	15.0	1160.0	0.87%	88.38%	1312.5	0.70%
21H01	Hants East	0.0	242.5	1235.0	1477.5	1.11%	65.59%	2252.5	1.19%
Total		7837.5	100680	24382.9	132900.4	100.00%	70.41%	188760.6	100.00%
11D13	Hants West	0.0	4015.9	1117.7	5133.6	9.45%	32.97%	15572.3	12.04%
11E04	Hants West	792.5	5685.7	3302.9	9781.1	18.01%	91.79%	10656.1	8.24%
21A16	Hants West	2660.0	6297.7	965.0	9922.7	18.27%	14.45%	68670.7	53.08%
21H01	Hants West	5225.9	12681.8	11563.6	29471.3	54.27%	85.47%	34482.2	26.65%
Total		8678.4	28681.1	16949.2	54308.7	100.00%	41.98%	129381.3	100.00%

Table 14: CLI Areas by Municipal Portion of NTS Sheet

NTS Sheet	Municipality	Class 2 Hectares	Class 3 Hectares	Class 4 Hectares	Class 2,3,4 Hectares	% Municip. Class 2,3,4	Percent of Total	Total Land Hectares	% Municip. Land Area
11F11	Inverness	792.5	3712.5	795.0	5300.0	4.77%	19.97%	26533.9	6.39%
11F13	Inverness	0.0	1754.3	547.5	2301.8	2.07%	90.20%	2551.8	0.61%
11F14	Inverness	1442.5	40730.9	4280.0	46453.4	41.81%	43.76%	106157.0	25.58%
11F15	Inverness	0.0	1472.5	227.5	1700.0	1.53%	18.49%	9195.2	2.22%
11K02	Inverness	0.0	32.5	0.0	32.5	0.03%	1.70%	1911.7	0.46%
11K03	Inverness	465.0	24428.1	9085.2	33978.3	30.58%	37.19%	91359.1	22.01%
11K04	Inverness	0.0	902.0	987.5	1889.5	1.70%	92.99%	2032.0	0.49%
11K06	Inverness	787.5	6575.9	3753.4	11116.8	10.01%	28.46%	39065.8	9.41%
11K07	Inverness	15.0	3961.8	632.5	4609.3	4.15%	14.38%	32048.4	7.72%
11K10	Inverness	152.5	1029.9	100.0	1282.4	1.15%	2.02%	63635.3	15.33%
11K11	Inverness	227.5	1305.7	900.0	2433.2	2.19%	40.02%	6080.0	1.47%
11K15	Inverness	0.0	0.0	0.0	0.0	0.00%	0.00%	32598.6	7.86%
11N02	Inverness	0.0	0.0	0.0	0.0	0.00%	0.00%	1835.0	0.44%
Total		3882.5	85906.1	21308.6	111097.2	100.00%	26.77%	415003.8	100.00%
21A10	Kings	145.0	60.0	27.5	232.5	0.23%	3.76%	6183.9	2.87%
21A15	Kings	1225.0	4880.9	2715.8	8821.7	8.75%	11.24%	78467.1	36.43%
21A16	Kings	0.0	237.5	47.5	285.0	0.28%	2.07%	13777.0	6.40%
21H01	Kings	7453.5	17565.7	11577.3	36596.5	36.32%	85.92%	42595.9	19.78%
21H02	Kings	9885.8	17518.7	25731.1	53135.6	52.73%	76.77%	69211.1	32.14%
21H03	Kings	0.0	35.0	17.5	52.5	0.05%	16.28%	322.5	0.15%
21H08	Kings	40.0	452.5	1157.5	1650.0	1.64%	34.34%	4804.8	2.23%
Total		18749.3	40750.3	41274.2	100773.8	100.00%	46.79%	215362.3	100.00%
21A01	Lunenburg	0.0	1040.0	0.0	1040.0	3.09%	15.86%	6556.4	3.40%
21A02	Lunenburg	0.0	650.0	0.0	650.0	1.93%	4.15%	15650.3	8.12%
21A07	Lunenburg	0.0	11693.8	195.0	11888.8	35.35%	17.81%	66736.7	34.61%
21A08	Lunenburg	95.0	11210.0	797.5	12102.5	35.98%	26.51%	45646.5	23.67%
21A09	Lunenburg	0.0	0.0	0.0	0.0	0.00%	0.00%	4968.9	2.58%
21A10	Lunenburg	25.0	7842.5	87.5	7955.0	23.65%	14.93%	53278.2	27.63%
Total		120	32436.3	1080	33636.3	100.00%	17.44%	192837	100.00%
11E06	Pictou	0.0	57.5	307.5	365.0	0.27%	12.25%	2978.4	1.03%
11E07	Pictou	357.5	4410.9	11276.1	16044.5	11.65%	24.26%	66126.2	22.94%
11E08	Pictou	352.5	402.5	5510.0	6265.0	4.55%	12.01%	52164.1	18.10%
11E09	Pictou	2385.0	10151.1	7904.3	20440.4	14.84%	42.74%	47820.4	16.59%
11E10	Pictou	10811.8	41167.4	18603.6	70582.8	51.25%	77.35%	91246.1	31.66%
11E11	Pictou	3732.5	8948.6	2540.9	15222.0	11.05%	81.11%	18767.9	6.51%
11E14	Pictou	30.0	3513.4	10.0	3553.4	2.58%	95.11%	3735.9	1.30%
11E15	Pictou	1347.5	3888.4	15.0	5250.9	3.81%	97.18%	5403.4	1.87%
Total		19016.8	72539.8	46167.4	137724	100.00%	47.78%	288242.4	100.00%

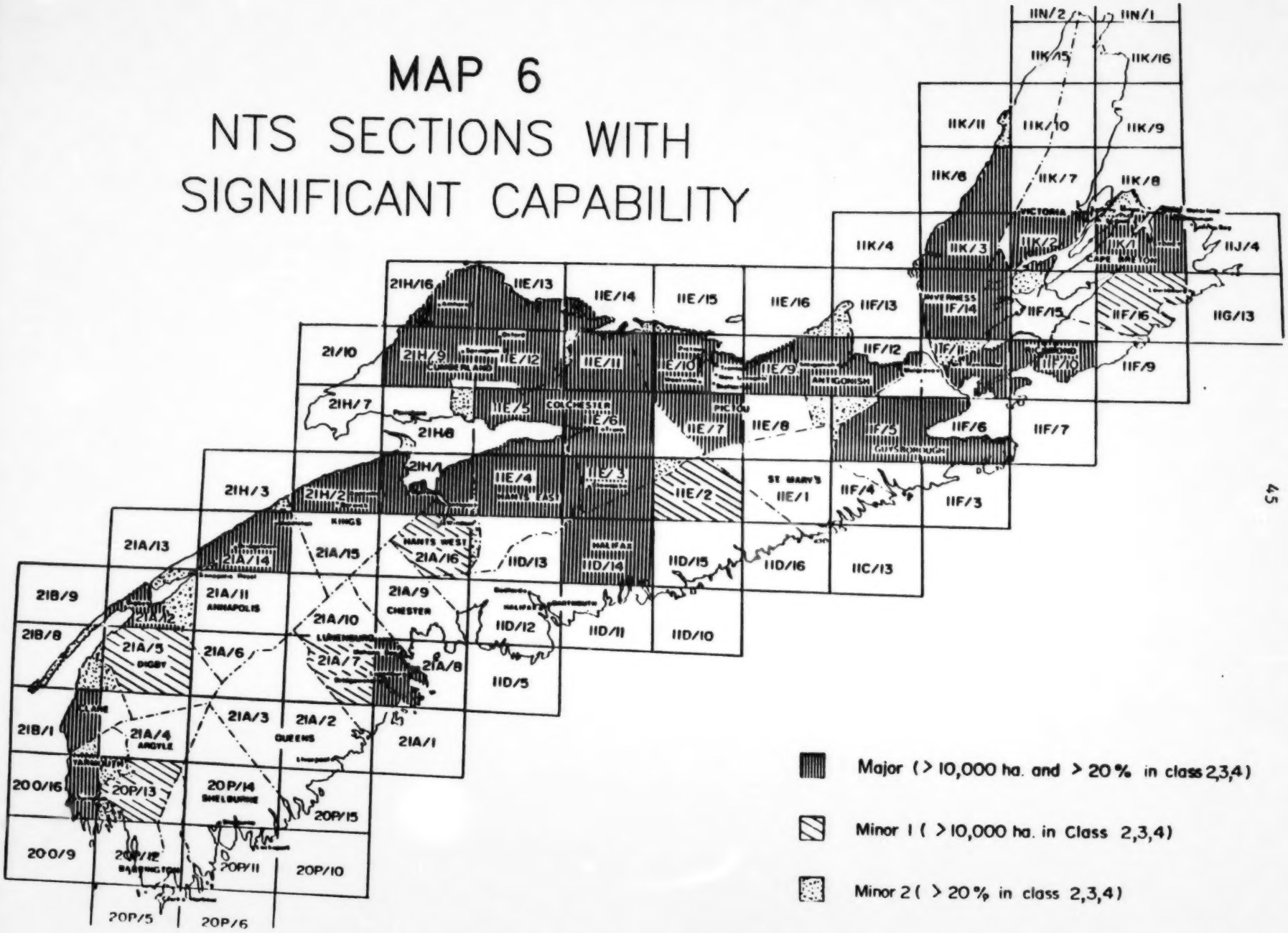
Table 14: CLI Areas by Municipal Portion of NTS Sheet

NTS Sheet	Municipality	Class 2 Hectares	Class 3 Hectares	Class 4 Heactares	Class 2,3,4 Hectares	% Municip. Class 2,3,4	Percent of Total	Total Land Hectares	% Municip. Land Area
20P14	Queens	0.0	0.0	0.0	0.0	0.00%	0.00%	6233.4	2.31%
20P15	Queens	0.0	0.0	0.0	0.0	0.00%	0.00%	30717.1	11.38%
21A02	Queens	0.0	65.0	0.0	65.0	1.37%	0.08%	79649.1	29.51%
21A03	Queens	0.0	0.0	0.0	0.0	0.00%	0.00%	63306.6	23.45%
21A06	Queens	0.0	2885.9	0.0	2885.9	60.86%	6.01%	48012.5	17.79%
21A07	Queens	0.0	1728.7	62.5	1791.2	37.77%	4.42%	40485.8	15.00%
21A10	Queens	0.0	0.0	0.0	0.0	0.00%	0.00%	1536.4	0.57%
Total		0	4679.6	62.5	4742.1	100.00%	1.76%	269940.9	100.00%
11F06	Richmond	0.0	0.0	0.0	0.0	0.00%	0.00%	702.5	0.50%
11F07	Richmond	0.0	0.0	0.0	0.0	0.00%	0.00%	727.5	0.52%
11F09	Richmond	0.0	770.0	0.0	770.0	2.26%	4.73%	16265.4	11.59%
11F10	Richmond	1060.0	12665.2	2805.9	16531.1	48.51%	28.02%	58992.3	42.03%
11F11	Richmond	300.0	7092.7	5500.9	12893.6	37.83%	32.92%	39171.6	27.91%
11F15	Richmond	705.0	3023.4	157.5	3885.9	11.40%	17.32%	22430.5	15.98%
11F16	Richmond	0.0	0.0	0.0	0.0	0.00%	0.00%	2078.0	1.48%
Total		2065	23551.3	8464.3	34080.6	100.00%	24.28%	140367.8	100.00%
20P10	Shelburne	0.0	0.0	0.0	0.0	0.00%	0.00%	95.8	0.05%
20P11	Shelburne	0.0	0.0	160.0	160.0	10.61%	0.42%	38058.8	20.56%
20P13	Shelburne	0.0	605.0	0.0	605.0	40.13%	7.90%	7660.1	4.14%
20P14	Shelburne	0.0	400.0	0.0	400.0	26.53%	0.40%	99824.1	53.92%
20P15	Shelburne	0.0	0.0	0.0	0.0	0.00%	0.00%	6933.9	3.75%
21A03	Shelburne	0.0	0.0	342.5	342.5	22.72%	1.07%	32040.9	17.31%
21A04	Shelburne	0.0	0.0	0.0	0.0	0.00%	0.00%	536.1	0.29%
Total		0	1005	502.5	1507.5	100.00%	0.81%	185149.7	100.00%
11C13	St. Mary's	0.0	0.0	559.4	559.4	4.64%	18.76%	2982.4	1.55%
11D16	St. Mary's	0.0	0.0	20.0	20.0	0.17%	0.43%	4691.8	2.43%
11E01	St. Mary's	0.0	430.0	200.0	630.0	5.22%	0.74%	85556.4	44.35%
11E02	St. Mary's	0.0	0.0	0.0	0.0	0.00%	0.00%	5956.8	3.09%
11E07	St. Mary's	0.0	85.0	47.5	132.5	1.10%	1.49%	8882.9	4.60%
11E08	St. Mary's	320.0	4107.5	2822.5	7250.0	60.12%	16.60%	43679.8	22.64%
11F04	St. Mary's	0.0	135.0	402.5	537.5	4.46%	1.49%	36120.7	18.72%
11F05	St. Mary's	12.6	1102.8	1814.2	2929.6	24.29%	58.18%	5035.5	2.61%
Total		332.6	5860.3	5866.1	12059	100.00%	6.25%	192906.3	100.00%

Table 14: CLI Areas by Municipal Portion of NTS Sheet

NTS Sheet	Municipality	Class 2 Hectares	Class 3 Hectares	Class 4 Hectares	Class 2,3,4 Hectares	% Municip. Class 2,3,4	Percent of Total	Total Land Hectares	% Municip. Land Area
11F15	Victoria	0.0	5801.8	1030.0	6831.8	20.93%	46.75%	14614.5	4.75%
11K01	Victoria	0.0	322.5	0.0	322.5	0.99%	6.55%	4925.9	1.60%
11K02	Victoria	330.0	14687.0	3687.5	18704.5	57.30%	21.29%	87838.8	28.57%
11K03	Victoria	0.0	0.0	0.0	0.0	0.00%	0.00%	3364.7	1.09%
11K07	Victoria	0.0	2043.4	565.0	2608.4	7.99%	3.71%	70289.7	22.86%
11K08	Victoria	0.0	90.0	0.0	90.0	0.28%	0.80%	11265.2	3.66%
11K09	Victoria	0.0	280.0	257.5	537.5	1.65%	2.65%	20310.4	6.61%
11K10	Victoria	0.0	0.0	0.0	0.0	0.00%	0.00%	44379.0	14.43%
11K15	Victoria	0.0	507.5	1642.5	2150.0	6.59%	9.72%	22112.6	7.19%
11K16	Victoria	0.0	457.5	835.0	1292.5	3.96%	5.02%	25739.7	8.37%
11N01	Victoria	0.0	105.0	0.0	105.0	0.32%	6.69%	1570.0	0.51%
11N02	Victoria	0.0	0.0	0.0	0.0	0.00%	0.00%	1088.4	0.35%
Total		330	24294.7	8017.5	32642.2	100.00%	10.62%	307498.9	100.00%
20O09	Yarmouth	0.0	1002.5	0.0	1002.5	3.19%	100.00%	1002.5	1.64%
20O16	Yarmouth	0.0	17103.0	895.0	17998.0	57.34%	59.87%	30061.8	49.06%
20P13	Yarmouth	0.0	2270.5	5521.2	7791.7	24.83%	91.82%	8485.7	13.85%
21A04	Yarmouth	0.0	361.7	356.9	718.6	2.29%	4.44%	16171.3	26.39%
21B01	Yarmouth	0.0	2283.7	1591.0	3874.7	12.35%	69.73%	5556.7	9.07%
Total		0	23021.4	8364.1	31385.5	100.00%	51.22%	61278	100.00%

MAP 6
NTS SECTIONS WITH SIGNIFICANT CAPABILITY



Major (> 10,000 ha. and > 20 % in class 2,3,4)

Minor 1 (> 10,000 ha. in Class 2,3,4)

Minor 2 (> 20 % in class 2,3,4)

significance if one or the other of these conditions is met, but not both. The maps shows all three categories of significance.

Areas of major significance form a continuous arc along the Northumberland Strait from the New Brunswick border to the middle of Inverness County, with southeasterly forks shading into Guysborough, Richmond, and Cape Breton. Another arc runs through the Annapolis Valley and around Cobequid Bay and extends south into Halifax County. Some more localized capability concentrations are found in the Argyle to Digby and Lunenburg areas. Three extensions of the main concentrations which do not meet the percentage coverage criterion are in Hants West, Halifax, and Cape Breton.

Table 15 gives hectares of active land, land in agricultural use, cleared land not in agricultural use, and all cleared land, plus the percentage each NTS section forms of the municipal total. Table 16 has the percentage that active land and cleared land forms of all land, plus the ratio of active land to Class 2, 3, 4. The quantity of active land and the percentage it forms of all land are combined to create Map 7. An NTS section of a municipality is here considered as being of "major" significance in terms of agricultural <u>activity</u> if it contains more than 1,000 hectares of active land occupying more than 2 percent of total land area. "Minor" activity means one or the other condition is met.

Table 15 : Agricultural Activity by Municipal Portion of NTS Sheet

NTS Sheet	Municipality	Active Hectares	% Munic.	Agric. Hectares	% Munic.	Percent of Cleared	Non-Agric. Hectares	% Munic.	Cleared Hectares	% Munic.
21A05	Annapolis	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
21A06	Annapolis	81.8	0.47%	91.0	0.51%	59.28%	62.5	2.01%	153.5	0.73%
21A10	Annapolis	349.1	2.02%	378.9	2.10%	76.64%	115.5	3.72%	494.4	2.34%
21A11	Annapolis	138.7	0.80%	269.2	1.50%	64.77%	146.4	4.71%	415.6	1.97%
21A12	Annapolis	1366.2	7.92%	1366.4	7.59%	86.21%	218.6	7.03%	1585.0	7.51%
21A13	Annapolis	104.8	0.61%	105.6	0.59%	80.12%	26.2	0.84%	131.8	0.62%
21A14	Annapolis	13352.8	77.44%	13832.8	76.83%	88.39%	1817.2	58.48%	15650.0	74.13%
21A15	Annapolis	1011.0	5.86%	1038.0	5.77%	72.07%	402.3	12.95%	1440.3	6.82%
21H02	Annapolis	75.0	0.43%	80.5	0.45%	78.54%	22.0	0.71%	102.5	0.49%
21H03	Annapolis	763.1	4.43%	842.3	4.68%	73.94%	296.8	9.55%	1139.1	5.40%
Total		17242.5	100.00%	18004.7	100.00%	85.28%	3107.5	100.00%	21112.2	100.00%
11E08	Antigonish	485.3	4.20%	537.2	4.11%	73.63%	192.4	5.92%	729.6	4.47%
11E09	Antigonish	3092.3	26.78%	3499.6	26.76%	84.06%	663.8	20.44%	4163.4	25.50%
11E16	Antigonish	260.5	2.26%	274.1	2.10%	68.18%	127.9	3.94%	402.0	2.46%
11F05	Antigonish	855.0	7.40%	1038.2	7.94%	75.57%	335.7	10.34%	1373.9	8.42%
11F11	Antigonish	24.8	0.21%	32.8	0.25%	63.81%	18.6	0.57%	51.4	0.31%
11F12	Antigonish	6395.4	55.38%	7216.5	55.19%	81.15%	1676.5	51.62%	8893.0	54.48%
11F13	Antigonish	434.3	3.76%	477.6	3.65%	67.21%	233.0	7.17%	710.6	4.35%
Total		11547.6	100.00%	13076	100.00%	80.10%	3247.9	100.00%	16323.9	100.00%
20O16	Argyle	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
20P12	Argyle	245.5	34.79%	245.5	33.70%	64.49%	135.2	50.11%	380.7	38.13%
20P13	Argyle	335.9	47.60%	339.7	46.63%	77.49%	98.7	36.58%	438.4	43.91%
21A03	Argyle	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
21A04	Argyle	124.3	17.61%	143.3	19.67%	79.97%	35.9	13.31%	179.2	17.95%
Total		705.7	100.00%	728.5	100.00%	72.97%	269.8	100.00%	998.3	100.00%
20P05	Barrington	22.1	20.81%	22.1	20.56%	34.53%	41.9	40.21%	64.0	30.23%
20P06	Barrington	2.3	2.17%	2.3	2.14%	18.55%	10.1	9.69%	12.4	5.86%
20P11	Barrington	10.6	9.98%	10.6	9.86%	65.03%	5.7	5.47%	16.3	7.70%
20P12	Barrington	58.6	55.18%	59.9	55.72%	59.19%	41.3	39.64%	101.2	47.80%
20P13	Barrington	12.6	11.86%	12.6	11.72%	70.79%	5.2	4.99%	17.8	8.41%
Total		106.2	100.00%	107.5	100.00%	50.78%	104.2	100.00%	211.7	100.00%
11F09	Cape Breton	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
11F15	Cape Breton	378.6	8.11%	392.0	8.12%	31.51%	851.9	16.37%	1243.9	12.40%
11F16	Cape Breton	649.5	13.92%	674.8	13.98%	49.31%	693.7	13.33%	1368.5	13.65%
11G13	Cape Breton	11.3	0.24%	12.4	0.26%	16.60%	62.3	1.20%	74.7	0.74%
11J04	Cape Breton	292.6	6.27%	293.6	6.08%	28.60%	732.9	14.09%	1026.5	10.24%
11K01	Cape Breton	2741.7	58.75%	2836.5	58.78%	56.52%	2182.1	41.94%	5018.6	50.04%
11K02	Cape Breton	115.8	2.48%	119.6	2.48%	34.15%	230.6	4.43%	350.2	3.49%
11K08	Cape Breton	477.6	10.23%	496.5	10.29%	52.48%	449.5	8.64%	946.0	9.43%
Total		4667.1	100.00%	4825.4	100.00%	48.12%	5203	100.00%	10028.4	100.00%

Table 15 : Agricultural Activity by Municipal Portion of NTS Sheets

NTS Sheet	Municipality	Active Hectares	% Munic.	Agric. Hectares	% Munic.	Percent of Cleared	Non-Agric. Hectares	% Munic.	Cleared Hectares	% Munic.
21A08	Chester	40.4	4.68%	41.4	3.98%	48.97%	42.1	20.30%	82.5	6.74%
21A09	Chester	446.1	51.70%	560.6	55.16%	80.94%	132.0	63.65%	692.6	56.60%
21A10	Chester	150.0	17.38%	180.3	17.74%	91.15%	17.5	8.44%	197.8	16.16%
21A15	Chester	226.4	26.24%	234.0	23.12%	93.70%	15.8	7.62%	250.8	20.50%
21A16	Chester	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
Total		862.9	100.00%	1016.3	100.00%	83.05%	207.4	100.00%	1223.7	100.00%
21A04	Clare	36.0	2.59%	43.5	2.96%	46.72%	49.6	5.83%	93.1	4.01%
21A05	Clare	222.8	16.02%	229.5	15.61%	82.65%	48.2	5.67%	277.8	11.97%
21B01	Clare	810.3	58.27%	865.4	58.84%	59.18%	597.0	70.22%	1462.4	63.01%
21B08	Clare	321.6	23.13%	332.2	22.59%	68.13%	155.4	18.28%	487.6	21.01%
Total		1390.7	100.00%	1470.7	100.00%	63.37%	850.2	100.00%	2320.9	100.00%
11E02	Colchester	1213.8	5.02%	1231.2	4.87%	73.27%	449.2	6.30%	1680.5	5.18%
11E03	Colchester	5206.3	21.55%	5464.	21.60%	88.93%	680.5	9.54%	6145.1	18.94%
11E05	Colchester	3266.9	13.52%	3416.9	13.50%	76.79%	1032.7	14.48%	4449.6	13.72%
11E06	Colchester	8697.1	35.99%	9221.2	36.44%	83.62%	1806.7	25.33%	11027.9	34.00%
11E07	Colchester	608.8	2.52%	621.6	2.46%	65.81%	323.0	4.53%	944.6	2.91%
11E11	Colchester	4500.0	18.62%	4677.7	18.49%	63.88%	2644.7	37.07%	7322.4	22.57%
11E12	Colchester	39.5	0.16%	39.5	0.16%	81.61%	8.9	0.12%	48.4	0.15%
11E14	Colchester	153.0	0.63%	153.0	0.60%	78.99%	40.7	0.57%	193.7	0.60%
21H08	Colchester	436.2	1.81%	437.1	1.73%	75.40%	142.6	2.00%	579.7	1.79%
21H09	Colchester	40.5	0.17%	40.5	0.16%	89.40%	4.8	0.07%	45.3	0.14%
Total		24162.1	100.00%	25303.4	100.00%	78.01%	7133.8	100.00%	32437.2	100.00%
11E05	Cumberland	4.5	0.01%	4.5	0.01%	100.00%	0.0	0.00%	4.5	0.01%
11E11	Cumberland	280.8	0.92%	358.6	1.12%	71.31%	144.3	1.13%	502.9	1.12%
11E12	Cumberland	4669.7	15.22%	4983.6	15.55%	64.87%	2699.2	21.13%	7682.8	17.14%
11E13	Cumberland	8420.5	27.44%	8693.0	27.12%	72.73%	3259.4	25.52%	11952.4	26.66%
11E14	Cumberland	2079.0	6.77%	2288.5	7.14%	61.33%	1442.8	11.30%	3731.3	8.32%
21H07	Cumberland	1201.9	3.92%	1254.5	3.91%	64.34%	695.2	5.44%	1949.7	4.35%
21H08	Cumberland	2750.0	8.96%	2792.6	8.71%	85.15%	487.2	3.81%	3279.8	7.32%
21H09	Cumberland	4629.5	15.09%	4925.6	15.37%	69.41%	2170.7	17.00%	7096.3	15.83%
21H10	Cumberland	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
21H16	Cumberland	6652.0	21.68%	6754.6	21.07%	78.29%	1872.8	14.66%	8627.4	19.25%
Total		30687.9	100.00%	32055.5	100.00%	71.51%	12771.6	100.00%	44827.1	100.00%
21A03	Digby	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
21A04	Digby	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
21A05	Digby	419.2	20.75%	446.6	21.36%	68.30%	207.3	22.27%	653.9	21.64%
21A06	Digby	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
21A12	Digby	1378.7	68.24%	1399.7	66.93%	72.73%	524.9	56.38%	1924.6	63.68%
21B01	Digby	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
21B08	Digby	158.0	7.82%	179.4	8.58%	54.50%	149.8	16.09%	329.2	10.89%
21B09	Digby	64.5	3.19%	65.6	3.14%	57.24%	49.0	5.26%	114.6	3.79%
Total		2020.4	100.00%	2091.3	100.00%	69.20%	931	100.00%	3022.3	100.00%

Table 15 : Agricultural Activity by Municipal Portion of NTS Sheets

NTS Sheet	Municipality	Active Hectares	% Munic.	Agric. Hectares	% Munic.	Percent of Cleared	Non-Agric. Hectares	% Munic.	Cleared Hectares	% Munic.
11E08	Guysboroug	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
11F03	Guysboroug	6.1	0.29%	12.4	0.53%	8.33%	136.5	5.61%	148.9	3.13%
11F04	Guysboroug	13.7	0.66%	14.0	0.60%	10.16%	123.8	5.08%	137.8	2.90%
11F05	Guysboroug	1125.1	54.41%	1278.7	55.11%	53.56%	1108.8	45.54%	2387.5	50.21%
11F06	Guysboroug	794.8	38.43%	879.8	37.92%	48.43%	936.8	38.47%	1816.6	38.20%
11F07	Guysboroug	0.0	0.00%	0.0	0.00%	0.00%	16.6	0.68%	16.6	0.35%
11F11	Guysboroug	29.5	1.43%	29.5	1.27%	29.98%	68.9	2.83%	98.4	2.07%
11F12	Guysboroug	98.8	4.78%	105.8	4.56%	70.86%	43.5	1.79%	149.3	3.14%
Total		2068	100.00%	2320.2	100.00%	48.79%	2434.9	100.00%	4755.1	100.00%
11D05	Halifax	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
11D10	Halifax	3.1	0.04%	5.7	0.08%	33.73%	11.2	0.39%	16.9	0.16%
11D11	Halifax	282.6	3.99%	299.6	4.08%	62.25%	181.7	6.27%	481.3	4.70%
11D12	Halifax	82.8	1.17%	82.8	1.13%	42.14%	113.7	3.92%	196.5	1.92%
11D13	Halifax	159.3	2.25%	160.4	2.18%	61.81%	99.1	3.42%	259.5	2.53%
11D14	Halifax	1279.8	18.06%	1347.0	18.33%	59.09%	932.5	32.19%	2279.5	22.25%
11D15	Halifax	95.3	1.34%	120.9	1.65%	45.06%	147.4	5.09%	268.3	2.62%
11D16	Halifax	71.1	1.00%	71.8	0.98%	33.19%	144.5	4.99%	216.3	2.11%
11E01	Halifax	3.6	0.05%	3.6	0.05%	87.80%	0.5	0.02%	4.1	0.04%
11E02	Halifax	1733.9	24.46%	1748.5	23.80%	68.59%	800.6	27.64%	2549.1	24.88%
11E03	Halifax	3375.8	47.63%	3506.5	47.73%	88.28%	465.7	16.08%	3972.2	38.78%
11E07	Halifax	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
21A09	Halifax	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
21A16	Halifax	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
Total		7087.3	100.00%	7346.8	100.00%	71.72%	2896.9	100.00%	10243.7	100.00%
11D13	Hants East	490.2	4.84%	502.7	4.79%	55.91%	396.4	15.87%	899.1	6.92%
11D14	Hants East	183.6	1.81%	193.8	1.85%	62.44%	116.6	4.67%	310.4	2.39%
11E03	Hants East	2996.0	29.55%	3079.7	29.36%	91.27%	294.6	11.80%	3374.3	25.99%
11E04	Hants East	4146.9	40.91%	4343.1	41.41%	80.93%	1023.1	40.97%	5366.2	41.33%
11E05	Hants East	2136.5	21.08%	2173.5	20.72%	79.67%	554.6	22.21%	2728.1	21.01%
11E06	Hants East	161.0	1.59%	162.0	1.54%	63.11%	94.7	3.79%	256.7	1.98%
21H01	Hants East	23.1	0.23%	33.3	0.32%	66.07%	17.1	0.68%	50.4	0.39%
Total		10137.3	100.00%	10488.1	100.00%	80.77%	2497.1	100.00%	12985.2	100.00%
11D13	Hants West	648.2	6.28%	673.3	6.20%	81.49%	152.9	7.55%	826.2	6.41%
11E04	Hants West	1352.4	13.10%	1485.3	13.67%	89.44%	175.4	8.66%	1660.7	12.88%
21A16	Hants West	4083.8	39.54%	4262.1	39.22%	90.71%	436.4	21.55%	4698.5	36.44%
21H01	Hants West	4243.0	41.08%	4446.3	40.92%	77.91%	1260.5	62.24%	5706.8	44.27%
Total		10327.4	100.00%	10867	100.00%	84.29%	2025.2	100.00%	12892.2	100.00%

Table 15 : Agricultural Activity by Municipal Portion of NTS Sheets

NTS Sheet	Municipality	Active Hectares	% Munic.	Agric. Hectares	% Munic.	Percent of Cleared	Non-Agric. Hectares	% Munic.	Cleared Hectares	% Munic.
11F11	Inverness	344.5	3.09%	419.8	3.41%	33.59%	829.8	7.24%	1249.6	5.26%
11F13	Inverness	189.2	1.70%	198.9	1.62%	42.26%	271.8	2.37%	470.7	1.98%
11F14	Inverness	2025.0	18.15%	2273.8	18.48%	49.31%	2337.9	20.41%	4611.7	19.41%
11F15	Inverness	27.7	0.25%	29.2	0.24%	27.47%	77.1	0.67%	106.3	0.45%
11K02	Inverness	0.0	0.00%	0.0	0.00%	0.00%	0.6	0.01%	0.6	0.00%
11K03	Inverness	5406.5	48.47%	6065.6	49.30%	67.89%	2868.3	25.04%	8933.9	37.60%
11K04	Inverness	299.1	2.68%	304.4	2.47%	55.05%	248.6	2.17%	553.0	2.33%
11K06	Inverness	1617.6	14.50%	1730.3	14.06%	40.32%	2561.6	22.36%	4291.9	18.06%
11K07	Inverness	439.5	3.94%	454.9	3.70%	57.47%	336.6	2.94%	791.5	3.33%
11K10	Inverness	175.8	1.58%	192.2	1.56%	26.19%	541.6	4.73%	733.8	3.09%
11K11	Inverness	579.7	5.20%	585.3	4.76%	31.04%	1300.1	11.35%	1885.4	7.94%
11K15	Inverness	48.2	0.43%	48.2	0.39%	37.48%	80.4	0.70%	128.6	0.54%
11N02	Inverness	1.3	0.01%	1.3	0.01%	68.42%	0.6	0.01%	1.9	0.01%
Total		11154.1	100.00%	12303.9	100.00%	51.79%	11455	100.00%	23758.9	100.00%
21A10	Kings	108.8	0.32%	154.5	0.43%	70.29%	65.3	1.21%	219.8	0.53%
21A15	Kings	2124.0	6.20%	2504.3	6.94%	80.46%	608.0	11.23%	3112.3	7.50%
21A16	Kings	77.0	0.22%	85.4	0.24%	80.72%	20.4	0.38%	105.8	0.25%
21H01	Kings	14375.1	41.95%	14718.3	40.77%	90.88%	1470.3	27.26%	16194.6	39.00%
21H02	Kings	17313.5	50.52%	18369.7	50.88%	85.23%	3182.6	58.77%	21552.3	51.91%
21H03	Kings	0.3	0.00%	0.3	0.00%	4.05%	7.1	0.13%	7.4	0.02%
21H08	Kings	271.9	0.79%	272.6	0.76%	83.11%	55.4	1.02%	328.0	0.79%
Total		34270.6	100.00%	36105.1	100.00%	86.96%	5415.1	100.00%	41520.2	100.00%
21A01	Lunenburg	173.7	2.58%	175.2	2.40%	79.93%	44.0	3.17%	219.2	2.53%
21A02	Lunenburg	91.9	1.36%	100.3	1.38%	75.81%	32.0	2.31%	132.3	1.52%
21A07	Lunenburg	2830.1	42.01%	2907.6	39.88%	88.33%	384.0	27.68%	3291.6	37.93%
21A08	Lunenburg	1617.7	24.01%	1784.9	24.48%	77.38%	521.7	37.60%	2306.6	26.58%
21A09	Lunenburg	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
21A10	Lunenburg	2024.0	30.04%	2322.8	31.86%	85.13%	405.7	29.24%	2728.5	31.44%
Total		6737.4	100.00%	7290.8	100.00%	84.01%	1387.4	100.00%	8678.2	100.00%
11E06	Pictou	0.2	0.00%	0.2	0.00%	3.39%	5.7	0.06%	5.9	0.02%
11E07	Pictou	2682.7	10.11%	2845.0	10.23%	65.43%	1503.3	16.59%	4348.3	11.79%
11E08	Pictou	701.8	2.65%	811.9	2.92%	52.88%	723.4	7.98%	1535.3	4.16%
11E09	Pictou	1457.8	5.50%	1684.3	6.05%	65.74%	877.8	9.69%	2562.1	6.95%
11E10	Pictou	17389.2	65.55%	17939.4	64.48%	80.47%	4354.0	48.06%	22293.4	60.45%
11E11	Pictou	1930.7	7.28%	2082.3	7.48%	70.58%	867.9	9.58%	2950.2	8.00%
11E14	Pictou	1253.5	4.73%	1278.6	4.60%	75.36%	418.1	4.61%	1696.7	4.60%
11E15	Pictou	1110.4	4.19%	1178.1	4.23%	79.16%	310.2	3.42%	1488.3	4.04%
Total		26526.3	100.00%	27819.8	100.00%	75.43%	9060.4	100.00%	36880.2	100.00%

Table 15 : Agricultural Activity by Municipal Portion of NTS Sheets

NTS Sheet	Municipality	Active Hectares	% Munic.	Agric. Hectares	% Munic.	Percent of Cleared	Non-Agric. Hectares	% Munic.	Cleared Hectares	% Munic.
20P14	Queens	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
20P15	Queens	66.6	5.99%	71.5	6.18%	76.63%	21.8	6.63%	93.3	6.28%
21A02	Queens	145.0	13.04%	155.3	13.43%	72.64%	58.5	17.79%	213.8	14.40%
21A03	Queens	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
21A06	Queens	483.2	43.46%	508.5	43.98%	83.42%	101.1	30.75%	609.6	41.05%
21A07	Queens	417.1	37.51%	421.0	36.41%	74.07%	147.4	44.83%	568.4	38.27%
21A10	Queens	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
Total		1111.9	100.00%	1156.3	100.00%	77.86%	328.8	100.00%	1485.1	100.00%
11F06	Richmond	4.8	0.29%	4.8	0.27%	9.39%	46.3	1.91%	51.1	1.22%
11F07	Richmond	0.0	0.00%	0.0	0.00%	0.00%	136.5	5.64%	136.5	3.25%
11F09	Richmond	64.0	3.84%	67.1	3.76%	31.02%	149.2	6.17%	216.3	5.14%
11F10	Richmond	1035.2	62.05%	1112.9	62.32%	49.76%	1123.8	46.45%	2236.7	53.19%
11F11	Richmond	356.2	21.35%	376.5	21.08%	34.64%	710.3	29.36%	1086.8	25.84%
11F15	Richmond	208.2	12.48%	224.5	12.57%	47.80%	245.2	10.13%	469.7	11.17%
11F16	Richmond	0.0	0.00%	0.0	0.00%	0.00%	8.2	0.34%	8.2	0.19%
Total		1668.4	100.00%	1785.8	100.00%	42.47%	2419.5	100.00%	4205.3	100.00%
20P10	Shelburne	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
20P11	Shelburne	117.2	55.97%	126.3	55.66%	49.59%	128.4	63.50%	254.7	59.36%
20P13	Shelburne	0.0	0.00%	0.0	0.00%	0.00%	5.3	2.62%	5.3	1.24%
20P14	Shelburne	90.5	43.22%	98.9	43.59%	59.51%	67.3	33.28%	166.2	38.73%
20P15	Shelburne	1.7	0.81%	1.7	0.75%	58.62%	1.2	0.59%	2.9	0.68%
21A03	Shelburne	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
21A04	Shelburne	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
Total		209.4	100.00%	226.9	100.00%	52.88%	202.2	100.00%	429.1	100.00%
11C13	St. Mary's	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
11D16	St. Mary's	15.9	1.89%	15.9	1.73%	13.37%	103.0	11.03%	118.9	6.41%
11E01	St. Mary's	44.6	5.31%	50.9	5.53%	32.54%	105.5	11.30%	156.4	8.43%
11E02	St. Mary's	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
11E07	St. Mary's	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
11E08	St. Mary's	518.5	61.68%	570.0	61.90%	58.41%	405.9	43.46%	975.9	52.61%
11F04	St. Mary's	91.2	10.85%	97.7	10.61%	25.58%	284.3	30.44%	382.0	20.60%
11F05	St. Mary's	170.4	20.27%	186.4	20.24%	84.12%	35.2	3.77%	221.6	11.95%
Total		840.6	100.00%	920.9	100.00%	49.65%	933.9	100.00%	1854.8	100.00%
11F15	Victoria	382.4	13.57%	422.3	14.20%	49.11%	437.6	14.53%	859.9	14.37%
11K01	Victoria	31.2	1.11%	34.2	1.15%	34.72%	64.3	2.14%	98.5	1.65%
11K02	Victoria	1907.1	67.66%	1986.9	66.82%	58.69%	1398.6	46.45%	3385.5	56.57%
11K03	Victoria	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
11K07	Victoria	78.7	2.79%	85.7	2.88%	18.59%	375.4	12.47%	461.1	7.70%
11K08	Victoria	53.5	1.90%	73.1	2.46%	24.80%	221.7	7.36%	294.8	4.93%
11K09	Victoria	19.4	0.69%	19.4	0.65%	13.45%	124.8	4.14%	144.2	2.41%
11K10	Victoria	0.0	0.00%	0.0	0.00%	——	0.0	0.00%	0.0	0.00%
11K15	Victoria	128.9	4.57%	133.8	4.50%	40.66%	195.3	6.49%	329.1	5.50%

Table 15 : Agricultural Activity by Municipal Portion of NTS Sheets

NTS Sheet	Municipality	Active Hectares	% Munic.	Agric. Hectares	% Munic.	Percent of Cleared	Non-Agric. Hectares	% Munic.	Cleared Hectares	% Munic.
11K16	Victoria	95.1	3.37%	95.9	3.22%	38.50%	153.2	5.09%	249.1	4.16%
11N01	Victoria	105.0	3.73%	105.0	3.53%	87.65%	14.8	0.49%	119.8	2.00%
11N02	Victoria	17.4	0.62%	17.4	0.59%	40.65%	25.4	0.84%	42.8	0.72%
Total		2818.7	100.00%	2973.7	100.00%	49.69%	3011.1	100.00%	5984.8	100.00%
20O09	Yarmouth	104.1	3.06%	106.6	3.09%	86.46%	16.7	1.61%	123.3	2.75%
20O16	Yarmouth	2665.3	78.26%	2672.9	77.46%	75.63%	861.1	82.97%	3534.0	78.73%
20P13	Yarmouth	208.3	6.12%	209.2	6.06%	82.04%	45.8	4.41%	255.0	5.68%
21A04	Yarmouth	238.0	6.99%	266.1	7.71%	79.01%	70.7	6.81%	336.8	7.50%
21B01	Yarmouth	190.2	5.58%	195.8	5.67%	81.79%	43.6	4.20%	239.4	5.33%
Total		3405.9	100.00%	3450.6	100.00%	76.88%	1037.9	100.00%	4488.5	100.00%

Table16 : Ratios of Active to Class 2,3,4 & Cleared to Total

NTS Sheet	Municipality	Class 2,3,4 Hectares	Active Hectares	Percent Total	Active/ Class 2,3,4	Agric. Use Hectares	Cleared Hectares	Percent Total	Total Hectares
21A05	Annapolis	0	0.0	0.00%	—	0.0	0.0	0.00%	4288.9
21A06	Annapolis	528	81.8	0.19%	0.1547	91.0	153.5	0.36%	42482.1
21A10	Annapolis	1080	349.1	1.10%	0.3232	378.9	494.4	1.56%	31779.8
21A11	Annapolis	377.5	138.7	0.13%	0.3674	269.2	415.6	0.39%	107222.0
21A12	Annapolis	7001.4	1366.2	4.43%	0.1951	1366.4	1585.0	5.14%	30820.8
21A13	Annapolis	256.0	104.8	1.62%	0.4094	105.6	131.8	2.03%	6482.4
21A14	Annapolis	28930.6	13352.8	16.15%	0.4615	13832.8	15650.0	18.93%	82661.7
21A15	Annapolis	2943.4	1011.0	4.64%	0.3435	1038.0	1440.3	6.62%	21771.3
21H02	Annapolis	2550.0	75.0	2.52%	0.0294	80.5	102.5	3.44%	2978.4
21H03	Annapolis	3087.5	763.1	16.31%	0.2472	842.3	1139.1	24.35%	4678.4
		46755	17242.5	5.14%	0.3688	18004.7	21112.2	6.30%	335165.8
11E08	Antigonish	4205.9	485.3	4.28%	0.1154	537.2	729.6	6.43%	11345.6
11E09	Antigonish	19059.7	3092.3	7.57%	0.1622	3499.6	4163.4	10.19%	40874.1
11E16	Antigonish	2165.0	260.5	3.54%	0.1203	274.1	402.0	5.47%	7350.2
11P05	Antigonish	8162.8	855.0	5.87%	0.1047	1038.2	1373.9	9.43%	14567.4
11F11	Antigonish	235.0	24.8	0.92%	0.1055	32.8	51.4	1.91%	2693.4
11F12	Antigonish	49027.7	6395.4	10.88%	0.1304	7216.5	8893.0	15.12%	58802.8
11F13	Antigonish	4145.0	434.3	4.49%	0.1048	477.6	710.6	7.34%	9675.2
		87001.1	11547.6	7.95%	0.1327	13076	16323.9	11.23%	145308.7
20O16	Argyle	1460.1	0.0	0.00%	0.0000	0.0	0.0	0.00%	1931.3
20P12	Argyle	3781.7	245.5	0.89%	0.0649	245.5	380.7	1.39%	27471.7
20P13	Argyle	9892.1	335.9	0.48%	0.0340	339.7	438.4	0.63%	69800.6
21A03	Argyle	0.0	0.0	0.00%	—	0.0	0.0	0.00%	6511.5
21A04	Argyle	2997.5	124.3	0.24%	0.0415	143.3	179.2	0.35%	51177.0
		18131.4	705.7	0.45%	0.0389	728.5	998.3	0.64%	156892.1
20P05	Barrington	0.0	22.1	0.51%	—	22.1	64.0	1.47%	4360.0
20P06	Barrington	0.0	2.3	0.18%	—	2.3	12.4	0.97%	1272.5
20P11	Barrington	226.0	10.6	0.13%	0.0469	10.6	16.3	0.20%	8197.6
20P12	Barrington	558.6	58.6	0.18%	0.1049	59.9	101.2	0.31%	33050.2
20P13	Barrington	125.0	12.6	0.12%	0.1008	12.6	17.8	0.17%	10589.0
		909.6	106.2	0.18%	0.1168	107.5	211.7	0.37%	57469.3
11F09	Cape Breton	180.0	0.0	0.00%	0.0000	0.0	0.0	0.00%	997.5
11F15	Cape Breton	5295.0	378.6	0.94%	0.0715	392.0	1243.9	3.10%	40133.4
11F16	Cape Breton	11797.7	649.5	0.62%	0.0551	674.8	1368.5	1.30%	105144.0
11G13	Cape Breton	62.5	11.3	0.10%	0.1808	12.4	74.7	0.64%	11717.7
11J04	Cape Breton	4120.9	292.6	1.32%	0.0710	293.6	1026.5	4.64%	22138.8
11K01	Cape Breton	41077.8	2741.7	2.60%	0.0667	2836.5	5018.6	4.77%	105275.0
11K02	Cape Breton	932.5	115.8	0.66%	0.1242	119.6	350.2	2.01%	17462.9
11K08	Cape Breton	6444.3	477.6	4.17%	0.0741	496.5	946.0	8.26%	11458.6
		69910.7	4667.1	1.48%	0.0668	4825.4	10028.4	3.19%	314327.9

Table16 : Ratios of Active to Class 2,3,4 & Cleared to Total

NTS Sheet	Municipality	Class 2,3,4 Hectares	Active Hectares	Percent Total	Active/ Class 2,3,4	Agric. Use Hectares	Cleared Hectares	Percent Total	Total Hectares
21A08	Chester	940.0	40.4	0.72%	0.0430	40.4	82.5	1.47%	5598.9
21A09	Chester	735.0	446.1	0.59%	0.6069	560.6	692.6	0.92%	75555.2
21A10	Chester	272.5	150.0	1.12%	0.5505	180.3	197.8	1.48%	13354.2
21A15	Chester	405.0	226.4	3.24%	0.5590	235.0	250.8	3.59%	6984.3
21A16	Chester	167.5	0.0	0.00%	0.0000	0.0	0.0	0.00%	20697.3
		2520	862.9	0.71%	0.3424	1016.3	1223.7	1.00%	122189.9
21A04	Clare	3596.4	36.0	0.14%	0.0100	43.5	93.1	0.37%	24961.4
21A05	Clare	8110.8	222.8	1.50%	0.0275	229.6	277.8	1.87%	14878.1
21B01	Clare	14325.9	810.3	2.52%	0.0566	865.4	1462.4	4.54%	32202.3
21B08	Clare	7862.2	321.6	2.22%	0.0409	332.2	487.6	3.36%	14499.9
		33895.3	1390.7	1.61%	0.0410	1470.7	2320.9	2.68%	86541.7
11E02	Colchester	6394.3	1213.8	13.68%	0.1898	1231.3	1680.5	18.95%	8870.2
11E03	Colchester	44921.8	5206.3	9.21%	0.1159	5464.6	6145.1	10.87%	56522.0
11E05	Colchester	24585.2	3266.9	6.68%	0.1329	3416.9	4449.6	9.10%	48906.7
11E06	Colchester	51914.9	8697.1	8.48%	0.1675	9221.2	11027.9	10.75%	102564.0
11E07	Colchester	5850.9	608.8	1.97%	0.1041	621.6	944.6	3.06%	30880.8
11E11	Colchester	39272.6	4500.0	5.36%	0.1146	4677.7	7322.4	8.72%	83951.1
11E12	Colchester	272.5	39.5	0.23%	0.1450	39.5	48.4	0.29%	16944.5
11E14	Colchester	285.0	153.0	53.68%	0.5368	153.0	193.7	67.96%	285.0
21H08	Colchester	2315.0	436.2	4.34%	0.1884	437.1	579.7	5.76%	10062.1
21H09	Colchester	0.0	40.5	0.79%	—	40.5	45.3	0.88%	5137.6
		175812.2	24162.1	6.64%	0.1374	25303.4	32437.2	8.91%	364124
11E05	Cumberland	267.5	4.5	0.15%	0.0168	4.5	4.5	0.15%	2978.4
11E11	Cumberland	6711.8	280.8	3.51%	0.0418	358.6	502.9	6.29%	7996.8
11E12	Cumberland	55959.6	4669.7	4.96%	0.0834	4983.6	7682.8	8.17%	94071.3
11E13	Cumberland	63073.8	8420.5	12.41%	0.1335	8693.0	11952.4	17.62%	67828.2
11E14	Cumberland	13793.6	2079.0	14.54%	0.1507	2288.5	3731.3	26.10%	14298.6
21H07	Cumberland	3762.5	1201.9	2.65%	0.3194	1254.5	1949.7	4.30%	45353.5
21H08	Cumberland	5463.4	2750.0	7.40%	0.5033	2792.6	3279.8	8.83%	37140.5
21H09	Cumberland	39795.1	4629.5	4.83%	0.1163	4925.6	7096.3	7.41%	95754.6
21H10	Cumberland	0.0	0.0	0.00%	—	0.0	0.0	0.00%	18682.9
21H16	Cumberland	42422.6	6652.0	12.71%	0.1568	6754.6	8627.4	16.48%	52353.7
		231249.9	30687.9	7.03%	0.1327	32055.5	44827.1	10.27%	436458.5
21A03	Digby	0.0	0.0	0.00%	—	0.0	0.0	0.00%	6433.4
21A04	Digby	0.0	0.0	0.00%	—	0.0	0.0	0.00%	14376.7
21A05	Digby	12780.0	419.2	0.45%	0.0328	446.6	653.9	0.71%	92344.4
21A06	Digby	0.0	0.0	0.00%	—	0.0	0.0	0.00%	19727.9
21A12	Digby	15298.6	1378.7	3.53%	0.0901	1399.7	1924.6	4.93%	39029.0
21B01	Digby	225.0	0.0	0.00%	0.0000	0.0	0.0	0.00%	705.0
21B08	Digby	2163.3	158.0	1.57%	0.0730	179.4	329.2	3.28%	10050.7
21B09	Digby	0.0	64.5	2.75%	—	65.6	114.6	4.89%	2345.0
		30466.9	2020.4	1.09%	0.0663	2091.3	3022.3	1.63%	185012.1

Table13 : Ratios of Active to Class 2,3,4 & Cleared to Total

NTS Sheet	Municipality	Class 2,3,4 Hectares	Active Hectares	Percent Total	Active/ Class 2,3,4	Agric. Use Hectares	Cleared Hectares	Percent Total	Total Hectares
11E08	Guysborough	0.0	0.0	0.00%	—	0.0	0.0	0.00%	32.7
11F03	Guysborough	170.0	6.1	0.04%	0.0359	12.4	148.9	1.04%	14299.5
11F04	Guysborough	592.5	13.7	0.04%	0.0231	14.0	137.8	0.42%	32895.0
11F05	Guysborough	24143.1	1125.1	1.30%	0.0466	1278.7	2387.5	2.76%	86355.9
11F06	Guysborough	16777.9	794.8	1.30%	0.0474	879.8	1816.6	2.97%	61178.9
11F07	Guysborough	182.5	0.0	0.00%	0.0000	0.0	16.6	0.91%	1822.5
11F11	Guysborough	657.5	29.5	0.16%	0.0449	29.5	98.4	0.52%	18992.9
11F12	Guysborough	2945.0	98.8	0.63%	0.0335	105.8	149.3	0.95%	15775.4
		45468.5	2068	0.89%	0.0455	2320.2	4755.1	2.06%	231352.8
11D05	Halifax	0.0	0.0	0.00%	—	0.0	0.0	0.00%	8549.7
11D10	Halifax	12.5	3.1	0.06%	0.2480	5.7	16.9	0.31%	5384.3
11D11	Halifax	6303.4	282.6	0.80%	0.0448	299.6	481.3	1.36%	35286.3
11D12	Halifax	6292.9	82.8	0.09%	0.0132	82.8	196.5	0.22%	90080.6
11D13	Halifax	4753.4	159.3	0.32%	0.0335	160.4	259.5	0.52%	49740.3
11D14	Halifax	25341.1	1279.8	1.21%	0.0505	1347.0	2279.5	2.16%	105430.0
11D15	Halifax	1070.0	95.3	0.10%	0.0891	120.9	268.3	0.29%	92652.9
11D16	Halifax	1235.0	71.1	0.27%	0.0576	71.8	216.3	0.81%	26769.7
11E01	Halifax	862.5	3.6	0.02%	0.0042	3.6	4.1	0.02%	21744.0
11E02	Halifax	10738.4	1733.9	1.90%	0.1615	1748.5	2549.1	2.80%	91185.4
11E03	Halifax	27420.0	3375.8	10.84%	0.1231	3506.5	3972.2	12.75%	31142.5
11E07	Halifax	0.0	0.0	0.00%	—	0.0	0.0	0.00%	1382.5
21A09	Halifax	0.0	0.0	0.00%	—	0.0	0.0	0.00%	13839.2
21A16	Halifax	10.0	0.0	0.00%	0.0000	0.0	0.0	0.00%	4063.4
		84039.2	7087.3	1.23%	0.0843	7346.8	10243.7	1.77%	577250.8
11D13	Hants East	5150.7	490.2	1.11%	0.0952	502.7	899.1	2.03%	44222.4
11D14	Hants East	2435.9	183.6	6.16%	0.0754	193.8	310.4	10.42%	2978.4
11E03	Hants East	18347.9	2996.0	15.32%	0.1633	3079.7	3374.3	17.26%	19550.4
11E04	Hants East	84019.8	4146.9	4.26%	0.0494	4343.1	5366.2	5.51%	97366.3
11E05	Hants East	20308.6	2136.5	10.14%	0.1052	2173.5	2728.1	12.94%	21078.1
11E06	Hants East	1160.0	161.0	12.27%	0.1388	162.0	256.7	19.56%	1312.5
21H01	Hants East	1477.5	23.1	1.03%	0.0156	33.3	50.4	2.24%	2252.5
		132900.4	10137.3	5.37%	0.0763	10488.1	12985.2	6.88%	188760.6
11D13	Hants West	5133.6	648.2	4.16%	0.1263	673.3	826.2	5.31%	15572.3
11E04	Hants West	9781.1	1352.4	12.69%	0.1383	1485.3	1660.7	15.58%	10656.1
21A16	Hants West	9922.7	4083.8	5.95%	0.4116	4262.1	4698.5	6.84%	68670.7
21H01	Hants West	29471.3	4243.0	12.30%	0.1440	4446.3	5706.8	16.55%	34482.2
		54308.7	10327.4	7.98%	0.1902	10867	12892.2	9.96%	129381.3

Table 16 : Ratios of Active to Class 2,3,4 & Cleared to Total

NTS Sheet	Municipality	Class 2,3,4 Hectares	Active Hectares	Percent Total	Active/ Class 2,3,4	Agric. Use Hectares	Cleared Hectares	Percent Total	Total Hectares
11F11	Inverness	5300.0	344.5	1.30%	0.0650	419.8	1249.6	4.71%	26533.9
11F13	Inverness	2301.8	189.2	7.41%	0.0822	198.9	470.7	18.45%	2551.8
11F14	Inverness	46453.4	2025.0	1.91%	0.0436	2273.8	4611.7	4.34%	106157.0
11F15	Inverness	1700.0	27.7	0.30%	0.0163	29.2	106.3	1.16%	9195.2
11K02	Inverness	32.5	0.0	0.00%	0.0000	0.0	0.6	0.03%	1911.7
11K03	Inverness	33978.3	5406.5	5.92%	0.1591	6065.6	8933.9	9.78%	91359.1
11K04	Inverness	1889.5	299.1	14.72%	0.1583	304.4	553.0	27.21%	2032.0
11K06	Inverness	11116.8	1617.6	4.14%	0.1455	1730.3	4291.9	10.99%	39065.8
11K07	Inverness	4609.3	439.5	1.37%	0.0954	454.9	791.5	2.47%	32048.4
11K10	Inverness	1282.4	175.8	0.28%	0.1371	192.2	733.8	1.15%	63635.3
11K11	Inverness	2433.2	579.7	9.53%	0.2382	585.3	1885.4	31.01%	6080.0
11K15	Inverness	0.0	48.2	0.15%	—	48.2	128.6	0.39%	32598.6
11N02	Inverness	0.0	1.3	0.07%	—	1.3	1.9	0.10%	1835.0
		111097.2	11154.1	2.69%	0.1004	12303.9	23758.9	5.72%	415003.8
21A10	Kings	232.5	108.8	1.76%	0.4680	154.5	219.8	3.55%	6183.9
21A15	Kings	8821.7	2124.0	2.71%	0.2408	2504.3	3112.3	3.97%	78467.1
21A16	Kings	285.0	77.0	0.56%	0.2702	85.4	105.8	0.77%	13777.0
21H01	Kings	36596.5	14375.1	33.75%	0.3928	14718.3	16194.6	38.02%	42595.9
21H02	Kings	53135.6	17313.5	25.02%	0.3258	18369.7	21552.3	31.14%	69211.1
21H03	Kings	52.5	0.3	0.09%	0.0057	0.3	7.4	2.29%	322.5
21H08	Kings	1650.0	271.9	5.66%	0.1648	272.6	328.0	6.83%	4804.8
		100773.8	34270.6	15.91%	0.3401	36105.1	41520.2	19.28%	215362.3
21A01	Lunenburg	1040.0	173.7	2.65%	0.1670	175.2	219.2	3.34%	6556.4
21A02	Lunenburg	650.0	91.9	0.59%	0.1414	100.3	132.3	0.85%	15650.3
21A07	Lunenburg	11888.8	2830.1	4.24%	0.2380	2907.6	3291.6	4.93%	66736.7
21A08	Lunenburg	12102.5	1617.7	3.54%	0.1337	1784.9	2306.6	5.05%	45646.5
21A09	Lunenburg	0.0	0.0	0.00%	—	0.0	0.0	0.00%	4968.9
21A10	Lunenburg	7955.0	2024.0	3.80%	0.2544	2322.8	2728.5	5.12%	53278.2
		33636.3	6737.4	3.49%	0.2003	7290.8	8678.2	4.50%	192837
11E06	Pictou	365.0	0.2	0.01%	0.0005	0.2	5.9	0.20%	2978.4
11E07	Pictou	16044.5	2682.7	4.06%	0.1672	2845.0	4348.3	6.58%	66126.2
11E08	Pictou	6265.0	701.8	1.35%	0.1120	811.9	1535.3	2.94%	52164.1
11E09	Pictou	20440.4	1457.8	3.05%	0.0713	1684.3	2562.1	5.36%	47820.4
11E10	Pictou	70582.8	17389.2	19.06%	0.2464	17939.4	22293.4	24.43%	91246.1
11E11	Pictou	15222.0	1930.7	10.29%	0.1268	2082.3	2950.2	15.72%	18767.9
11E14	Pictou	3553.4	1253.5	33.55%	0.3528	1278.6	1696.7	45.42%	3735.9
11E15	Pictou	5250.9	1110.4	20.55%	0.2115	1178.1	1488.3	27.54%	5403.4
		137724	26526.3	9.20%	0.1926	27819.8	36880.2	12.79%	288242.4

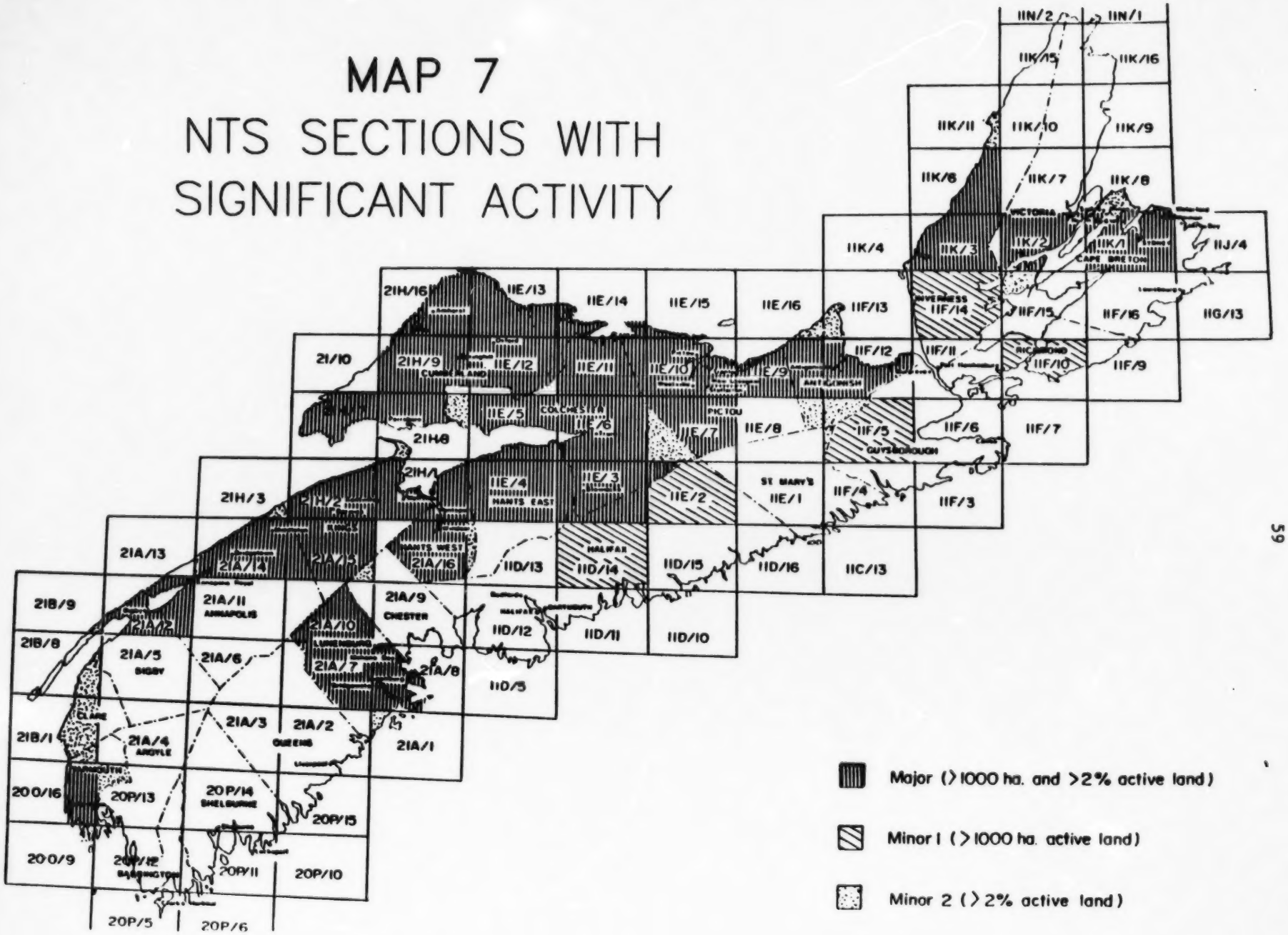
Table 16 : Ratios of Active to Class 2,3,4 & Cleared to Total

NTS Sheet	Municipality	Class 2,3,4 Hectares	Active Hectares	Percent Total	Active/ Class 2,3,4	Agric. Use Hectares	Cleared Hectares	Percent Total	Total Hectares
20P14	Queens	0.0	0.0	0.00%	—	0.0	0.0	0.00%	6233.4
20P15	Queens	0.0	66.6	0.22%	—	71.5	93.3	0.30%	30717.1
21A02	Queens	65.0	145.0	0.18%	2.2308	155.3	213.8	0.27%	79649.1
21A03	Queens	0.0	0.0	0.00%	—	0.0	0.0	0.00%	63306.6
21A06	Queens	2885.9	483.2	1.01%	0.1674	508.5	609.6	1.27%	48012.5
21A07	Queens	1791.2	417.1	1.03%	0.2329	421.0	568.4	1.40%	40485.8
21A10	Queens	0.0	0.0	0.00%	—	0.0	0.0	0.00%	1536.4
		4742.1	1111.9	0.41%	0.2345	1156.3	1485.1	0.55%	269940.9
11F06	Richmond	0.0	4.8	0.68%	—	4.8	51.1	7.27%	702.5
11F07	Richmond	0.0	0.0	0.00%	—	0.0	136.5	18.76%	727.5
11F09	Richmond	770.0	64.0	0.39%	0.0831	67.1	216.3	1.33%	16265.4
11F10	Richmond	16531.1	1035.2	1.75%	0.0626	1112.9	2236.7	3.79%	58992.3
11F11	Richmond	12893.6	356.2	0.91%	0.0276	376.5	1086.8	2.77%	39171.6
11F15	Richmond	3885.9	208.2	0.93%	0.0536	224.5	469.7	2.09%	22430.5
11F16	Richmond	0.0	0.0	0.00%	—	0.0	8.2	0.39%	2078.0
		34080.6	1668.4	1.19%	0.0490	1785.8	4205.3	3.00%	140367.8
20P10	Shelburne	0.0	0.0	0.00%	—	0.0	0.0	0.00%	95.8
20P11	Shelburne	160.0	117.2	0.31%	0.7325	126.3	254.7	0.67%	38058.8
20P13	Shelburne	605.0	0.0	0.00%	0.0000	0.0	5.3	0.07%	7660.1
20P14	Shelburne	400.0	90.5	0.09%	0.2263	98.9	166.2	0.17%	99824.1
20P15	Shelburne	0.0	1.7	0.02%	—	1.7	2.9	0.04%	6933.9
21A03	Shelburne	342.5	0.0	0.00%	0.0000	0.0	0.0	0.00%	32040.9
21A04	Shelburne	0.0	0.0	0.00%	—	0.0	0.0	0.00%	536.1
		1507.5	209.4	0.11%	0.1389	226.9	429.1	0.23%	185149.7
11C13	St. Mary's	559.4	0.0	0.00%	0.0000	0.0	0.0	0.00%	2982.4
11D16	St. Mary's	20.0	15.9	0.34%	0.7950	15.9	118.9	2.53%	4691.8
11E01	St. Mary's	630.0	44.6	0.05%	0.0708	50.9	156.4	0.18%	85356.4
11E02	St. Mary's	0.0	0.0	0.00%	—	0.0	0.0	0.00%	5956.8
11E07	St. Mary's	132.5	0.0	0.00%	0.0000	0.0	0.0	0.00%	8882.9
11E08	St. Mary's	7250.0	518.5	1.19%	0.0715	570.0	975.9	2.23%	43679.8
11F04	St. Mary's	537.5	91.2	0.25%	0.1697	97.7	382.0	1.06%	36120.7
11F05	St. Mary's	2929.6	170.4	3.38%	0.0582	186.4	221.6	4.40%	5035.5
		12059	840.6	0.44%	0.0697	920.9	1854.8	0.96%	192906.3

Table16 : Ratios of Active to Class 2,3,4 & Cleared to Total

NTS Sheet	Municipality	Class 2,3,4 Hectares	Active Hectares	Percent Total	Active/ Class 2,3,4	Agric. Use Hectares	Cleared Hectares	Percent Total	Total Hectares
11F15	Victoria	6831.8	382.4	2.62%	0.0560	422.3	859.9	5.88%	14614.5
11K01	Victoria	322.5	31.2	0.63%	0.0967	34.2	98.5	2.00%	4925.9
11K02	Victoria	18704.5	1907.1	2.17%	0.1020	1986.9	3385.5	3.85%	87838.8
11K03	Victoria	0.0	0.0	0.00%	——	0.0	0.0	0.00%	3364.7
11K07	Victoria	2608.4	78.7	0.11%	0.0302	85.7	461.1	0.66%	70289.7
11K08	Victoria	90.0	53.5	0.47%	0.5944	73.1	294.8	2.62%	11265.2
11K09	Victoria	537.5	19.4	0.10%	0.0361	19.4	144.2	0.71%	20310.4
11K10	Victoria	0.0	0.0	0.00%	——	0.0	0.0	0.00%	44379.0
11K15	Victoria	2150.0	128.9	0.58%	0.0600	133.8	329.1	1.49%	22112.6
11K16	Victoria	1292.5	95.1	0.37%	0.0736	95.9	249.1	0.97%	25739.7
11N01	Victoria	105.0	105.0	6.69%	1.0000	105.0	119.8	7.63%	1570.0
11N02	Victoria	0.0	17.4	1.60%	——	17.4	42.8	3.93%	1088.4
		32642.2	2818.7	0.92%	0.0864	2973.7	5984.8	1.95%	307498.9
20O09	Yarmouth	1002.5	104.1	10.38%	0.1038	106.6	123.3	12.30%	1002.5
20O16	Yarmouth	17998.0	2665.3	8.87%	0.1481	2672.9	3534.0	11.76%	30061.8
20P13	Yarmouth	7791.7	208.3	2.45%	0.0267	209.2	255.0	3.01%	8485.7
21A04	Yarmouth	718.6	238.0	1.47%	0.3312	266.1	336.8	2.08%	16171.3
21B01	Yarmouth	3874.7	190.2	3.42%	0.0491	195.8	239.4	4.31%	5556.7
		31385.5	3405.9	5.56%	0.1085	3450.6	4488.5	7.32%	61278

MAP 7
NTS SECTIONS WITH SIGNIFICANT ACTIVITY



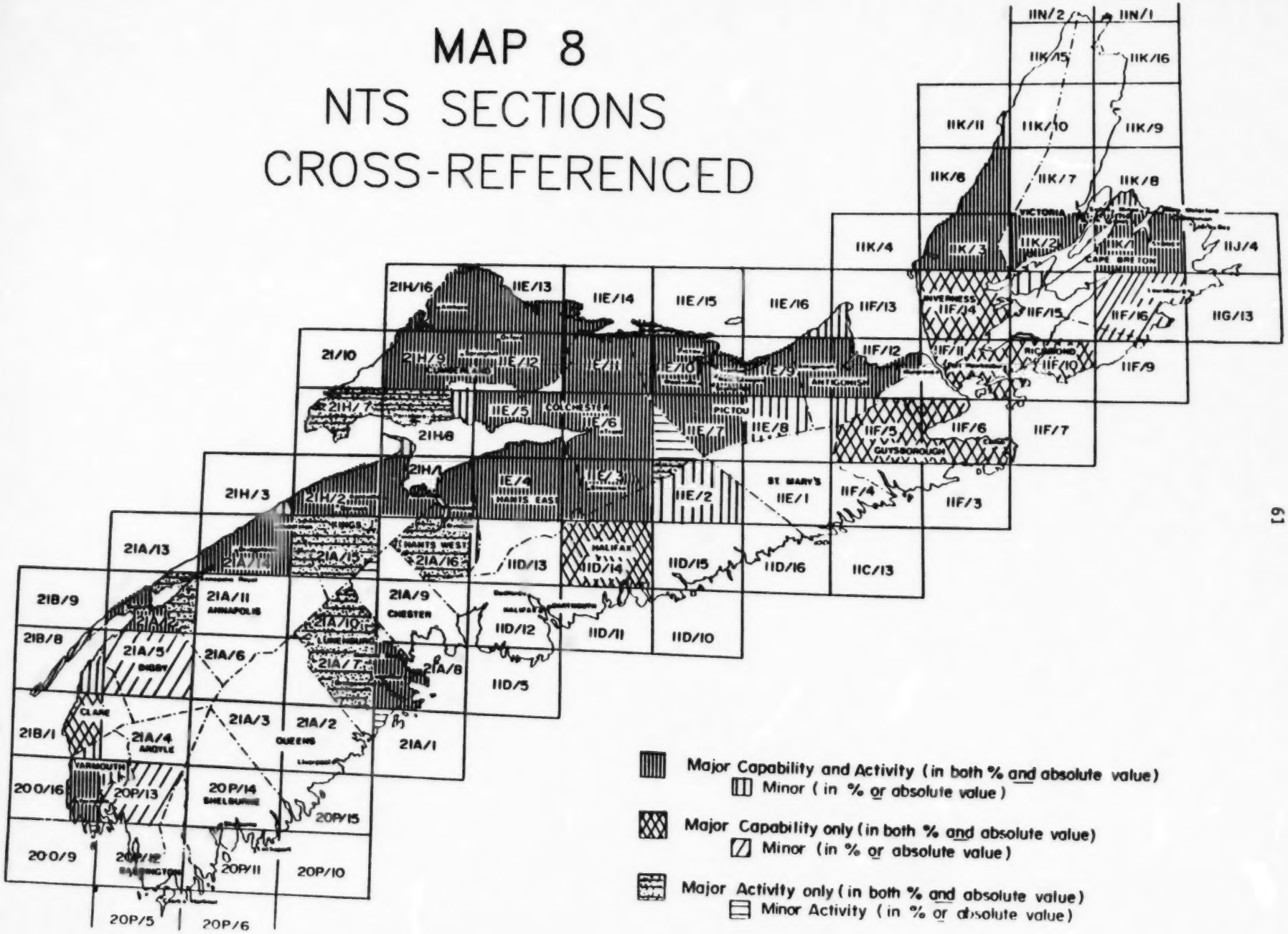
A logical pattern emerges for the activity distribution as compared to the capability distribution. The core areas along the Northumberland Strait, Annapolis Valley and Cobequid Bay remain the same, but there are more sections of major significance in the west - in Kings, Lunenburg, Hants - and fewer in the east, in Guysborough, Richmond, and Inverness. One unusual area is along the north shore of the Bay of Fundy - Minas Basin, in Cumberland County. Blueberry production on low-capability land is likely the explanation.

Map 8 cross-references the capability and the activity rating. NTS sections of major significance in both capability and activity are indicated, forming the familiar core area. Areas of minor significance in both capability and activity add a few NTS sections around the periphery of the core area.

Areas of major significance in capability but not in activity are concentrated in southern Cape Breton Island, Guysborough, and central Halifax. There are areas of minor capability significance in Argyle and Digby municipalities. These portions of the province are relatively under-utilized for agricultural purposes. Relative lack of access to markets may be the reason for this.

Finally, areas of major significance in activity but not capability lie in the interiors of Lunenburg, Kings and Hants

MAP 8
NTS SECTIONS
CROSS-REFERENCED



Major Capability and Activity (in both % and absolute value)
Minor (in % or absolute value)

Major Capability only (in both % and absolute value)
Minor (in % or absolute value)

Major Activity only (in both % and absolute value)
Minor Activity (in % or absolute value)

West and along the shorelines of the Annapolis Basin and south-eastern Cumberland County. In some cases, the explanation is probably that there are small but highly utilized areas of good soil, such as the drumlins of Lunenburg. In Kings, the high utilization despite the relatively low capability is probably due to orchard lands. These are not necessarily located on land indicated as being of high capability by CLI, because the CLI rating deals with grain and row crops rather than fruit trees.

VII. CONCLUSION

This report has analyzed the results of the Agricultural Land Use Survey at a highly generalized or aggregated level, i.e. entire rural municipalities or large sections thereof. It can thus provide a background for policy development only at a province-wide scale.

To be useful for municipal or regional planning purposes, the data must be analyzed at the micro-scale; namely, for individual fields or 1:10,000 map sheets. The areas of individual fields are tabulated on overlays to the original plotted maps; these figures could be used to yield hectarages for agricultural use clusters delineated around rural communities or elsewhere. Total areas for each use category (and CLI class) for each municipal section on each 1:10,000 map are readily obtainable from the microcomputer database; these can be displayed on a 1;10,000 map grid to give a more detailed picture of the concentrations of capability and usage shown in Maps 6 to 8.

The CLI classes have been plotted on maps showing individual agricultural fields, so that a direct visual comparison of capability and usage can be carried out. These 1:50,000 maps have been produced for all areas significant by reason of either capability or activity or both in Map 8. The working hypothesis used in this report that active fields fall on higher capability land can and should be tested by this means.

Comparisons with Canada Census of Agriculture area figures for improved land and land under crops should be made. The rankings of municipalities in this report should be compared to those of capital value of farms and value of product from the Census, as well as to annual production figures from the provincial Department of Agriculture.

Two additional data sources are available from tabulation of this and related surveys. The number of fields of each type in each municipality on each map have been tabulated from the Agricultural Land Use Survey but have not yet been input into a microcomputer database. In combination with field area totals, these would give a measure of the degree of field fragmentation on each map.

In addition, counts of buildings and other land uses are available in microcomputer database from the Rural Settlement Survey. These could be related to areas of active and inactive fields, and hypotheses of the effect of urban development on agricultural land abandonment tested.

In the longer term, both capability and usage maps should be digitized into a computer-based geographic information system, in order to enable more sophisticated measurements and analysis. Property boundaries should also be digitized, so that comparison with field boundaries can be made. Means of continuing usage

JUNE 15, 1989

AGRICULTURAL LAND USE SURVEY:
A TABULATION OF THE RESULTS
ERRATA

PLEASE ATTACH THIS PAGE TO YOUR COPY OF THE ABOVE-TITLED REPORT.

PAGE 65 OF THE REPORT WAS MISSING.

THIS PAGE READS:

"MONITORING, SUCH AS REMOTE SENSING, SHOULD BE INVESTIGATED".